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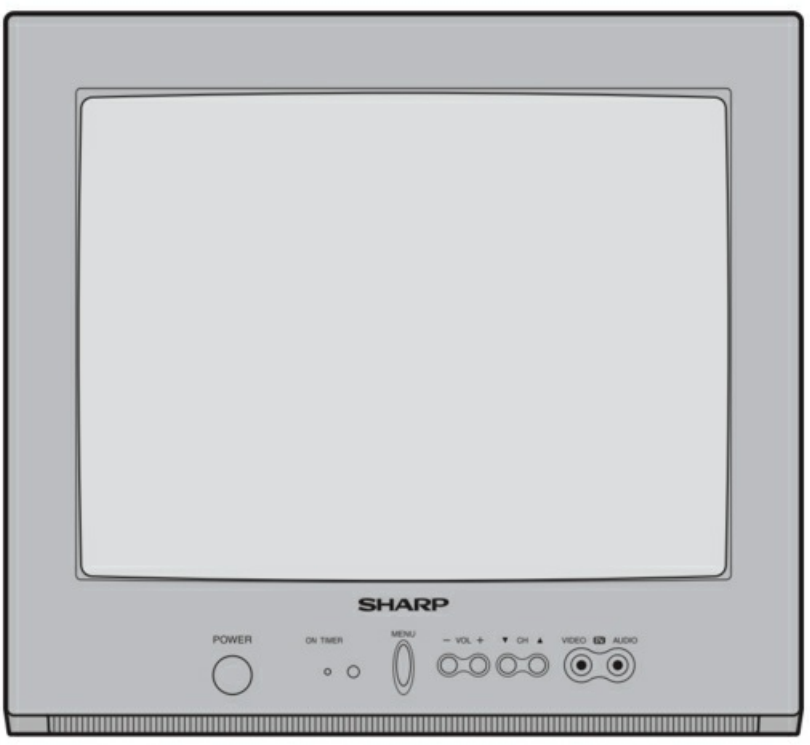
SHARP 14LK22 OPERATION MANUAL



Available languages

EN ES

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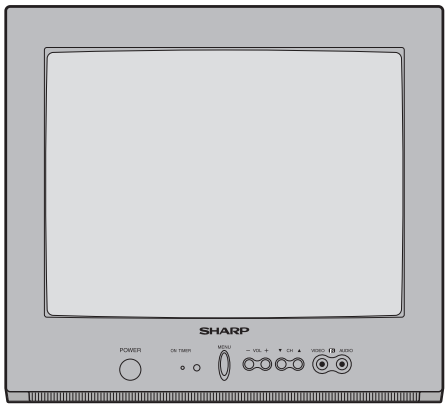
SHARP

7400 GJ

MODEL

14LK22

COLOR TELEVISION OPERATION MANUAL



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READ THIS OPERATION MANUAL COMPLETELY BEFORE OPERATING THIS PRODUCT.

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Welcome to the SHARP Family. We are pleased that you are now the owner of a SHARP Color Television – built for outstanding quality, reliability and performance.
Every SHARP Color Television set is tuned and adjusted for proper color and sound, and has passed through the most stringent quality control tests at the factory. We have prepared this OPERATION MANUAL so that you may adjust the picture and color to your personal viewing preference.
We sincerely hope that you receive the greatest satisfaction and enjoyment from your new SHARP Color Television set for years to come.
Please read these instructions carefully, and keep them handy for your future reference.

IMPORTANT
To aid reporting in case of loss or theft, please record the TV's model and serial numbers in the space provided. The numbers are located at the rear of the TV.

Model No.:

Serial No.:

IMPORTANT INFORMATION

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO WET LOCATIONS.

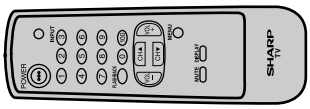
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

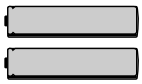
The lightning flash with arrowhead within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.

The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

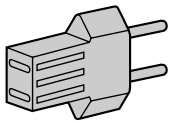
Supplied Accessories



Infrared Remote Control
Part Number : RRMCG1339CESB



Size AA
Dry Batteries



AC Plug Adaptor

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IMPORTANT SAFEGUARDS

CAUTION: Please read all of these instructions before you operate your television and save these instructions for later use.

Electrical energy can perform many useful functions. This unit has been engineered and manufactured to assure your personal safety. BUT IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARDS. In order not to defeat the safeguards incorporated in this equipment, observe the following basic rules for its installation, use and servicing.

1. Unplug this television equipment from the wall outlet before cleaning.

2. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

3. Do not use attachments not recommended by the television equipment manufacturer as they may cause hazards.

4. Do not use this television equipment near water — for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool, etc.

5. Do not place this equipment on an unstable cart, stand, or table. The television equipment may fall, causing serious injury to a child or an adult, and serious damage to the equipment.

   Use only with a cart or stand recommended by the manufacturer or sold with the television equipment.

   Television equipment and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.

6. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.

7. Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to insure reliable operation of the television equipment and to protect it from overheating, these openings must not be blocked or covered. This television equipment should not be placed in a built-in insulation such as a bookcase unless proper ventilation is provided.

8. The openings should never be covered with a cloth or other material, and the bottom openings should not be blocked by placing the television equipment on a bed, sofa, rug, or other similar surface. This television equipment should never be placed near or over a radiator or heat register.

9. This television equipment should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your television dealer or local power company.
   For television equipment designed to operate from battery power, refer to the operating instructions.

10. Do not allow anything to rest on the power cord. Do not locate this television equipment where the cord will be abused by persons walking on it.

11. Follow all warnings and instructions marked on the television equipment.

12. If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

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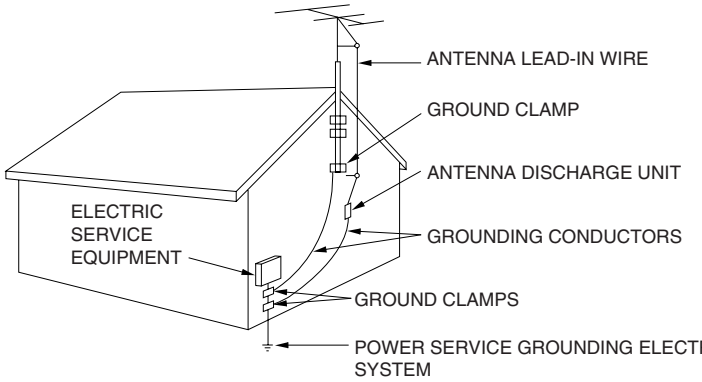
IMPORTANT SAFEGUARDS (Continued)

EXAMPLE OF ANTENNA GROUNDING ACCORDING TO NATIONAL ELECTRICAL CODE.



13. For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the equipment due to lightning and power-line surges.

14. An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

15. Do not overload wall outlets and extension cords as this can result in fire or electric shock.

16. Never push objects of any kind into this television equipment through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the television equipment.

17. Do not attempt to service this television equipment yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

18. Unplug this television equipment from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    A. When the power cord or plug is damaged or frayed.
    B. If liquid has been spilled into the television equipment.
    C. If the television equipment has been exposed to rain or water.
    D. If the television equipment does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television equipment to normal operation .
    E. If the television equipment has been dropped or the cabinet has been damaged.
    F. When the television equipment exhibits a distinct change in performance — this indicates a need for service.

19. Upon completion of any service or repairs to this television equipment, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.

20. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

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Before Operating Your Television

Location

- For normal operation, your TV should be located in an area of the room where cool adequate ventilation is provided. Do not place the back of the television set in a place where free airflow will be restricted.
- Any magnetic force may disturb the color picture. Make sure that magnets, electric clocks, toys using magnets or any other magnetic substance, such as iron are kept well away from the TV set.

Power

Your TV operates on 110-220 Volts, 50/60 Hz (normal household current).

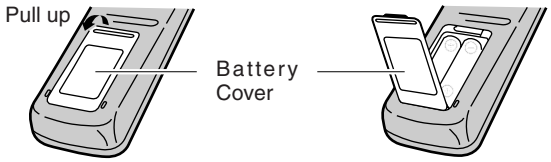
Note:

- If the set will not be used for a long period, such as during a vacation, unplug the set from the wall outlet to economize power. (If the TV set is plugged in, a slight current still flows, even with the POWER BUTTON in the OFF position.)
- Lines and other noise may appear in TV broadcast images when an FM tuner or radio is located near the TV and both radio and TV broadcasts are being received. Should such noise appear, turn off either the TV or the radio.
- If you are listening to an AM broadcast, turn the TV off. AM broadcast signals may not be received due to interference from the TV.

■ **Before using the television, prepare the Remote Control**

To use the remote control, insert batteries first.

Insert the batteries



- With your thumb nail, pull up the slit as indicated by the arrow to remove the back cover. Insert two batteries (size “AA”). Be sure to match the battery ⊕/⊖ terminals with the ⊕/⊖ marks inside the compartment.

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Antenna Connections

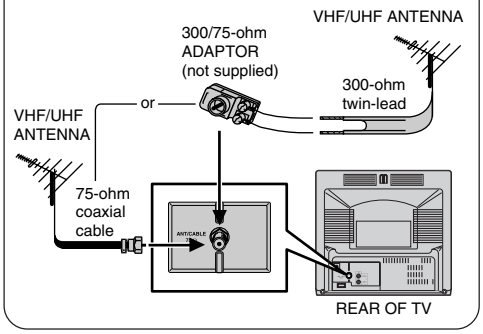
Antennas

- The antenna requirements for good color television reception are more important than those for black & white television reception. For this reason, a good quality outdoor antenna is strongly recommended.

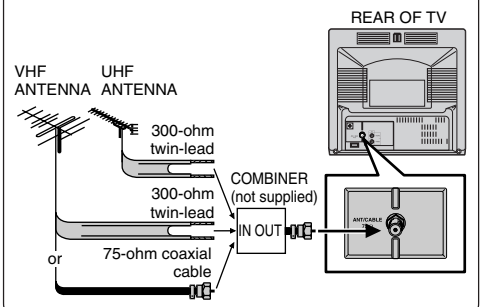
OUTDOOR ANTENNA CONNECTION

- Use one of the following two diagrams if you connect an outdoor antenna.
  A: Using a VHF/UHF combination outdoor antenna.
  B: Using separate VHF and/or UHF outdoor antenna.
- Connect an outdoor antenna cable lead-in to the COAXIAL CABLE CONNECTOR on the rear of the TV set.

A. Combination VHF/UHF Antennas



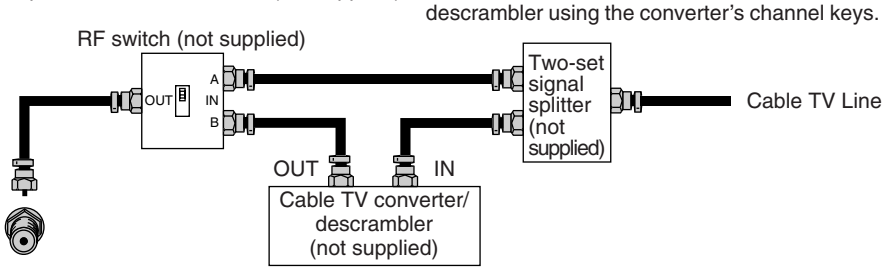
B. Separate VHF/UHF Antenna



CABLE TV (CATV) CONNECTION

- A 75 ohm coaxial cable connector is built into the set for easy hookup. When connecting the 75 ohm coaxial cable to the set, screw the 75 ohm cable to the COAXIAL CABLE CONNECTOR.
- Some cable TV companies offer “premium pay channels”. Since the signals of these premium pay channels are scrambled, a cable TV converter/descrambler is generally provided to the subscriber by the cable TV company. This converter/descrambler is necessary for normal viewing of the scrambled channels. (Place your TV on channel 3 or 4, typically one of these channels is used. If this is unknown, consult your cable TV company.) For more specific instructions on installing cable TV, consult your cable TV company. One possible method of utilizing the converter/descrambler provided by your cable TV company is explained below.
  Please note: RF switch equipped with position A/B (not provided) is required.

  “A” position on the RF switch (not supplied) : You can view all unscrambled channels using the TV’s channel keys.
  “B” position on the RF switch (not supplied) : You can view the scrambled channels via the converter/descrambler using the converter’s channel keys.



Note:

- Consult your SHARP Dealer or Service Center for the type of splitter, RF switch or combiner that might be required.

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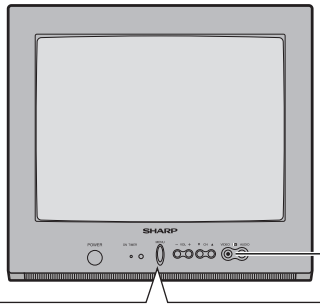
Quick Reference Control Operation

■ Location of Controls

Front Panel



VIDEO/AUDIO IN TERMINALS
(VIDEO/AUDIO terminals are also provided on the rear.)

POWER
Press → On.
Press again → Off.

ON TIMER indicator

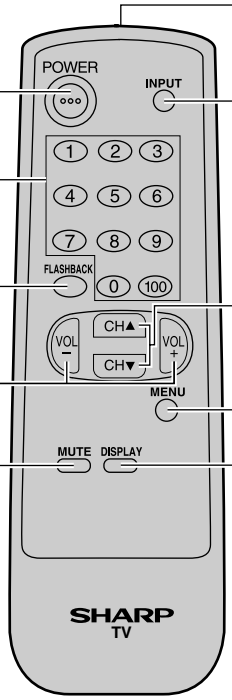
SENSOR AREA FOR REMOTE CONTROL

MENU
Press →Accesses MAIN MENU.
Press again →Exits MAIN MENU.

CHANNEL UP/DOWN
(▲) Selects next higher channel.
(▼) Selects next lower channel.

VOLUME UP/DOWN
(+) Increases sound.
(–) Decreases sound.

Basic Remote Control Functions



Infrared Transmitter Window

POWER
Press → On.
Press again → Off.

REMOTE KEYPAD
Accesses any channel from keypad.

FLASHBACK
Returns to previous channel.

VOLUME UP/DOWN
(+) Increases sound.
(–) Decreases sound.
• In menu mode, changes or selects the TV adjustments.

MUTE
Press → Mutes sound.
Press again → Restores sound.
• CLOSED CAPTION appears when sound is muted.

INPUT
Press → Switch to external video input mode.
Press again → Switch to TV mode.
See page E 23.

CHANNEL UP/DOWN
(▲) Selects next higher channel.
(▼) Selects next lower channel.
• See pages E 19 ~ E 22 for channel presetting.
• Moves the " ⬍ " mark of the MENU screen.

MENU
Press → Accesses MAIN MENU.
Press again → Exits MAIN MENU.

DISPLAY
Press → Displays receiving channel for 4 seconds.
Press again → Removes display.
• Temporarily displays receiving channel when in Closed Caption mode.

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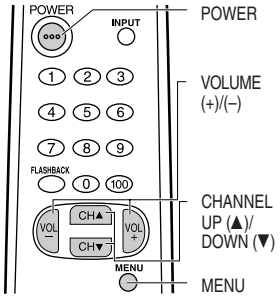
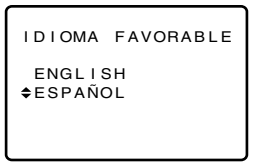
EZ SETUP during First Use

■ **When you turn on the TV for the first time, it will automatically memorize the broadcast channels.**
Please perform the following instructions before pressing the power button.
(1) Insert the batteries into the remote control. (See page E 5)
(2) Connect the antenna cable to the TV set. (See page E 6)
(3) Plug in the AC POWER cord to the wall outlet.



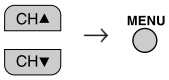
1 Press the ***POWER*** button on the TV set or on the Remote Control to turn on the TV. The SELECT LANGUAGE mode will be displayed.

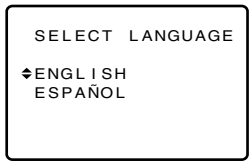
(On the Set) (Remote Control)



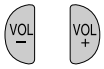
(SELECT LANGUAGE mode)

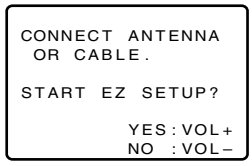
2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to select "ENGLISH" or "SPANISH (ESPAÑOL)". Then press ***Menu*** to SET LANGUAGE.





3 Press ***VOL (+)*** or ***(–)*** to access EZ SETUP mode.



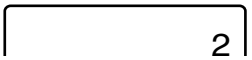


(EZ SETUP mode)

4 Press ***VOL (+)***.
The tuner will automatically search for the broadcast and cable TV channels. (The CH No. will automatically increase when it appears.)
If you want to stop the EZ SETUP process once it has started, press ***VOL (–)*** and it will be cancelled.
If you want to SET UP again, please refer to page E 19 on SET UP.

To cancel EZ SETUP
Press ***VOL (–)***.

5 Once EZ SETUP is completed, the smallest channel number memorized will be displayed.



Note:

- If EZ SETUP does not memorize all the channels in your region, please refer to page E 19 for more information on manual memorizing the channels using CHANNEL SETTING.
- It may be difficult to PRESET when the broadcast signals are weak, the channel cycle frequency is incorrect or frequency jamming is occuring around the area. Please refer to pages E 19 ~ E 22 for more information on manual memorizing the channels using CHANNEL SETTING.

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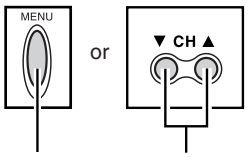
Demo Mode

- To quickly learn more about the TV set, press and hold for more than three seconds ***MENU*** or both ***CH UP (▲)*** and ***DOWN (▼)*** on the TV set. The TV set will go into DEMO mode and briefly explain the various features.
- To cancel DEMO mode, again press ***MENU*** or both ***CH UP (▲)*** and ***DOWN (▼)*** on the TV set.

Example:
DEMO mode display

(On the Set)



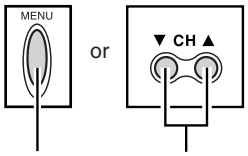
MENU button

CHANNEL UP (▲)/ DOWN (▼) buttons

Accessing the MAIN MENU screen without Remote Control

- If you misplaced your Remote Control you can still access most settings via the MAIN MENU screen when you press ***MENU*** or both ***CH UP (▲)*** and ***DOWN (▼)*** on the TV set.
- Some features of your TV set will not be accessible without the Remote Control. If you lost your Remote Control, contact a Sharp Service Center for a replacement.

(On the Set)



MENU button

CHANNEL UP (▲)/ DOWN (▼) buttons

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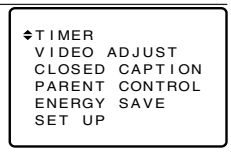
Language

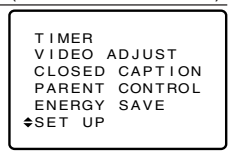
- **The language for the ON SCREEN DISPLAY can be set to ENGLISH or SPANISH.**
- **Setting the ON SCREEN DISPLAY Language.**

1 Press ***MENU*** to access the MAIN MENU screen.

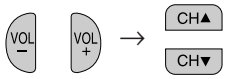


(MAIN MENU screen)

2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "SET UP".

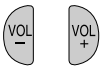


3 Press ***VOL (+)*** or ***(–)*** to access SET UP mode, then press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "LANGUAGE".



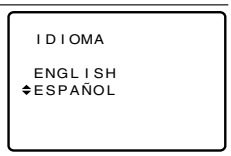
(SET UP mode)

4 Press ***VOL (+)*** or ***(–)*** to access LANGUAGE change mode.



(LANGUAGE change mode)

5 Press ***CH UP (▲)*** or ***DOWN (▼)*** to select "ENGLISH" or "SPANISH (ESPAÑOL)".



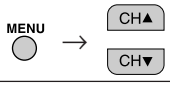
6 Press ***MENU*** to exit.

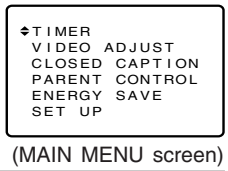
Sleep Timer

- **You can preset your television to turn off automatically in increments of 30, 60, 90 or 120 minutes.**

1 Press ***MENU*** to access the MAIN MENU screen.

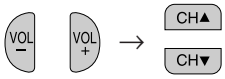
2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "TIMER".

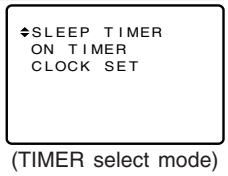




(MAIN MENU screen)

3 Press ***VOL (+)*** or ***(–)*** to access TIMER mode, then press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "SLEEP TIMER".





(TIMER select mode)

10-14 14LK22 [E].p65e 10 28/5/01, 10:47 AM

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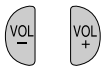
Sleep Timer (Continued)

4 Press ***VOL (+)*** or ***(–)*** to set a sleep time of 30, 60, 90 or 120 minutes.

→ --- ↔ 30 ↔ 60 ↔ 90 ↔ 120 ←



(TIMER SET mode)

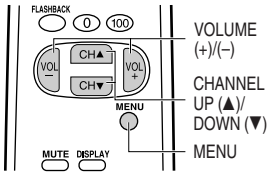
5 Press ***MENU*** to exit.

Note:

- To turn off the Sleep Timer, repeat the above SLEEP TIMER steps and select "--- REMAIN" during step **4**.
- While SLEEP TIMER is active, the time remaining will be briefly displayed on-screen at regular intervals or when the remote's Display key is pressed.

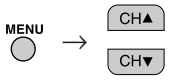
On Timer

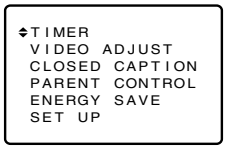
■ **Setting the On Time automatically turns on the TV at a preset time.**



1 Press ***MENU*** to access the MAIN MENU screen.

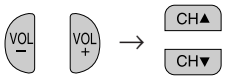
2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "❖" mark to "TIMER".

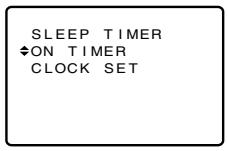




(MAIN MENU screen)

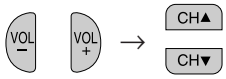
3 Press ***VOL (+)*** or ***(–)*** to access "TIMER", then press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "❖" mark to "ON TIMER".

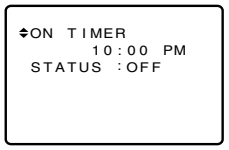




(TIMER select mode)

4 Press ***VOL (+)*** or ***(–)*** to access "ON TIMER".
Press ***CH UP (▲)*** or ***DOWN (▼)*** to select "ON TIMER".

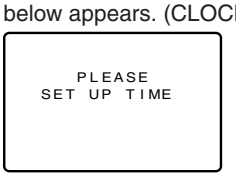




(ON TIMER SET mode)

Note:

- When the timer is not set, CLOCK SET screen appears automatically after the OSD shown below appears. (CLOCK SET step. **3**)



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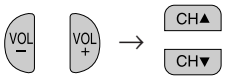
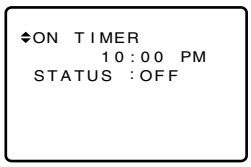
On Timer (Continued)

5 Press ***VOL (+)*** or ***(–)*** to select the hour-digit and adjust by pressing ***CH UP (▲)*** or ***DOWN (▼)***.

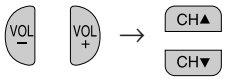


12 : 00 AM
↑ The indicator color changes to red.

12:00AM↔ 1:00AM ↔ 2:00AM ↔ … ↔ 10:00PM ↔ 11:00PM

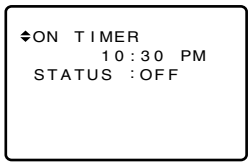


6 Press ***VOL (+)*** or ***(–)*** to select the minute-digit and adjust by pressing ***CH UP (▲)*** or ***DOWN (▼)***.

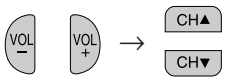


10 : 00 PM
↑ The indicator color changes to red.

00↔ 10 ↔ 20 ↔ 30 ↔ 40 ↔ 50

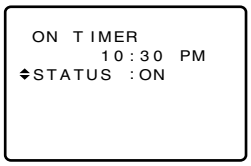


7 Press ***VOL (+)*** or ***(–)*** to complete the TIMER setting.
Press ***CH UP (▲)*** or ***DOWN (▼)*** to select "STATUS", and press ***VOL (+)*** or ***(–)*** to select "ON" or "OFF".



ON : ON TIMER becomes activated, and turns on the unit at the desired time.
(ON TIMER indicator: lights on.)

OFF : ON TIMER turns off.
(ON TIMER indicator: lights off.)



8 Press ***MENU*** to exit.

Note:

- For safety reasons, the unit automatically turns off for 120 minutes (SLEEP TIMER) after the unit is turned on by the ON TIMER setting.
(Press any button to cancel SLEEP TIMER.)

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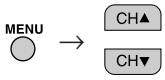
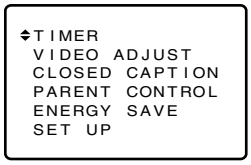
Clock Set

■ **How to set the time.**

1 Press ***MENU*** to access the MAIN MENU screen.

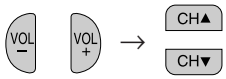
2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⬍" mark to "TIMER".

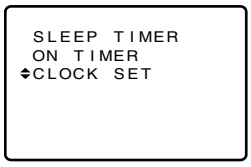




(MAIN MENU screen)

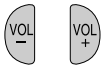
3 Press ***VOL (+)*** or ***(–)*** to access "TIMER", then press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⬍" mark to "CLOCK SET".

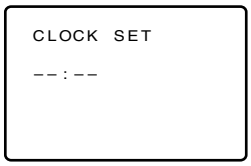




(TIMER Select mode)

4 Press ***VOL (+)*** or ***(–)*** to access "CLOCK SET".





(CLOCK SET mode)

5 Press ***CH UP (▲)*** or ***DOWN (▼)*** to set the hour-digit.

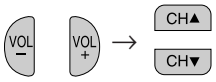
12 : 00 AM
The indicator color changes to red.

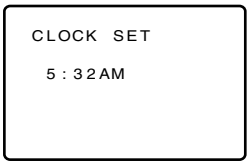
12:00AM ↔ 1:00AM ↔ 2:00AM ↔ ·····
11:00PM ↔ 10:00PM ↔ 9:00PM ↔ ···

6 Press ***VOL (+)*** or ***(–)*** to select the minute-digit and adjust by pressing ***CH UP (▲)*** or ***DOWN (▼)***.

12 : 00 AM
The indicator color changes to red.

00 ↔ 01 ↔ 02 ↔ ··· ↔ 57 ↔ 58 ↔ 59





7 Press ***MENU*** to exit.

Note:

- The clock settings may become incorrect due to power failure etc.

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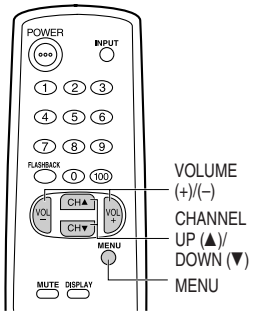
Video Adjust

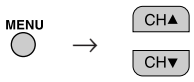
Description of Adjustment Items

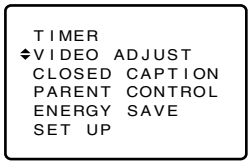
Selected item	VOL UP (+) button	VOL DOWN (–) button
PICTURE	To increase contrast	To decrease contrast
TINT	To make skin tones greenish	To make skin tones purplish
COLOR	To increase color intensity	To decrease color intensity
BRIGHT	To increase brightness	To decrease brightness
SHARP	To increase sharpness	To decrease sharpness
FAVORITE COLOR	To choose a RED, BLUE or STANDARD COLOR TONE.	
RESET	To return all adjustments to factory preset levels.	



1 Press ***MENU*** to access the MAIN MENU screen.

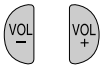
2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⬍" mark to "VIDEO ADJUST".

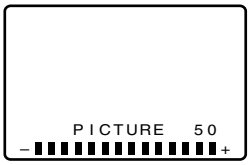




(MAIN MENU screen)

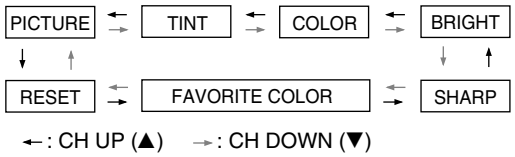
3 Press ***VOL (+)*** or ***(–)*** to access PICTURE adjust mode.



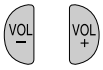


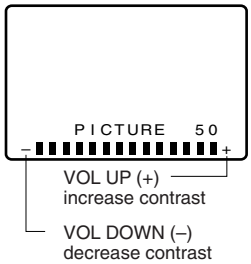
(PICTURE adjust mode)

4 Press ***CH UP (▲)*** or ***DOWN (▼)*** to select the desired mode. (Refer to the diagram below.)



5 Press ***VOL (+)*** or ***(–)*** to adjust the setting.





6 Repeat steps **4** to **5** to adjust other settings.

7 Press ***MENU*** to exit.

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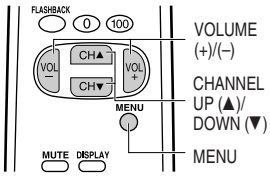
Closed Caption

■ HOW TO SET CLOSED CAPTION

- Your TV is equipped with an internal Closed Caption decoder. "Closed Caption" is a system which allows you to view conversations, narration, and sound effects in TV programs and home videos as subscript on your TV screen as shown on the right.
- Not all the programs and videos will offer closed caption. Please look for the " CC " symbol to ensure that captions will be shown.
- Closed Caption broadcast can be viewed in two modes: CAPTION and TEXT. For each mode, two channels are available, CH1 and CH2:

  The [CAPTION] mode subscripts dialogues and commentaries of TV dramas and news programs while allowing clear view of the picture. The [TEXT] mode displays over the picture other various information (such as TV program schedule, weather forecast, etc.) that is independent of the TV programs.



1 Press ***MENU*** to access the MAIN MENU screen.

2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "CLOSED CAPTION".

MENU → CH▲ / CH▼

```
  TIMER
  VIDEO ADJUST
⇕CLOSED CAPTION
  PARENT CONTROL
  ENERGY SAVE
  SET UP
```

(MAIN MENU screen)

3 Press ***VOL (+)*** or ***(–)*** to access "CLOSED CAPTION".

VOL (–) VOL (+)

```
CLOSED CAPTION

⇕MODE    :CAPTION
 DATA    :CH 1
```

(CLOSED CAPTION setting mode)

4 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to either "MODE" or "DATA".

CH▲ / CH▼

```
CLOSED CAPTION

 MODE    :CAPTION
⇕DATA    :CH 1
```

5 Press ***VOL (+)*** or ***(–)*** to change the CLOSED CAPTION setting.

MODE : CAPTION ↕ TEXT ↕ OFF

DATA : CH 1 ↕ CH 2

VOL (–) VOL (+)

```
CLOSED CAPTION

⇕MODE    :CAPTION
 DATA    :CH 1
```

6 Press ***MENU*** to exit.

MENU

Note:

- If a broadcast has CLOSED CAPTION and the ***MUTE*** button is pressed, the set enters [CAPTION] mode automatically. Pressing ***MUTE*** again will return the set to its previous condition.
- Closed Caption may malfunction (white blocks, strange characters, etc.) if signal conditions are poor or if there are problems at the broadcast source. This does not necessarily indicate a problem with your TV.
- If any button is pressed to call up the ON SCREEN DISPLAY while viewing a CLOSED CAPTION broadcast, the closed captions will disappear momentarily.
- When viewing in TEXT mode, if no TEXT broadcast is being received, for some programs the screen may become dark and blank. Should this occur, set the Closed Caption mode to "OFF".

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Parent Control

■ **VIEW TIMER**

This function allows you to restrict TV viewing time and also allows you to control TV usage. This function is to prevent your children from watching too much TV.

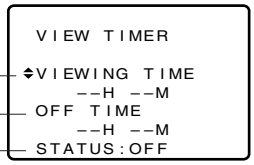
VIEWING TIME (an accumulative timer: counts only the time duration acquired while the TV is on.)

- VIEWING TIME can be set from 30M (30 minutes) to 10H00M (10 hours) in 30 minutes intervals.

OFF TIME (Restricts TV watching after the VIEWING TIME reaches zero.)

- OFF TIME can be set from 30M (30 minutes) to 10H00M (10 hours) in 30 minutes intervals.

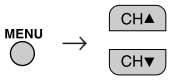
STATUS (ON/OFF setting of VIEW TIMER)

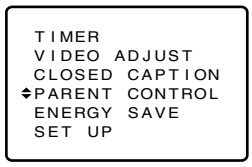


■ **How to set VIEW TIMER.**

1 Press ***MENU*** to access the MAIN MENU screen.

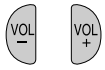
2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "PARENT CONTROL".

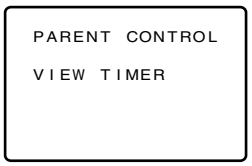




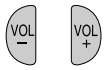
(MAIN MENU screen)

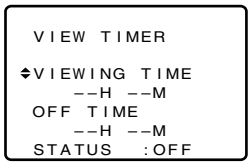
3 Press ***VOL (+)*** or ***(–)*** to access "PARENT CONTROL VIEW TIMER".



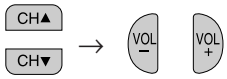


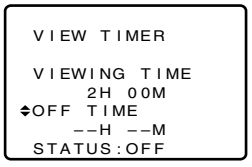
4 Press ***VOL (+)*** or ***(–)*** to access "VIEW TIMER".



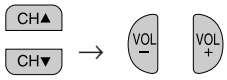


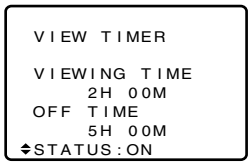
5 Press ***CH UP (▲)*** or ***DOWN (▼)**** to select "VIEWING TIME" and "OFF TIME". For each selection, press the ***VOL (+)*** or ***(–)*** to set the time duration.



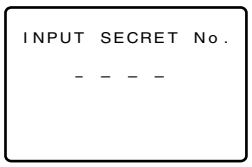


6 Press ***CH UP (▲)*** or ***DOWN (▼)*** to select "STATUS". Press the ***VOL (+)*** or ***(–)*** to turn ON the "VIEWING TIMER". (If STATUS is OFF, VIEW TIMER will not operate.)





7 Press ***MENU***. "INPUT SECRET No." will be displayed.



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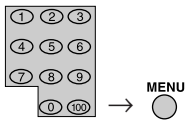
Parent Control (Continued)

8 Enter the 4-digit SECRET No. using the ***REMOTE KEYPAD***.
9 Press ***MENU***, and SECRET No. is registered.



INPUT SECRET No.
1 2 3 0

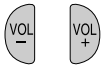
Example

- To restrict anybody from watching the TV for 5 hours, after watching the TV for 2 hours, your settings would look like this:
- They can choose to watch the 2 hours of TV however they wish. For example, they could watch 1 hour of TV, turn TV off for 30 minutes, then turn TV on and watch the remaining 1 hour on the VIEWING TIMER.

VIEW TIMER
VIEWING TIME
2H 00M
OFF TIME
5H 00M
STATUS:ON

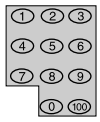
■ **To change the VIEW TIMER settings. (SECRET No. is registered)**

1 Repeat "How to set VIEW TIMER" steps and select "PARENT CONTROL VIEW TIMER" during step **3**. Press ***VOL (+)*** or ***(–)***, and "INPUT SECRET No." will be displayed.



INPUT SECRET No.
– – – –

2 Enter the 4-digit SECRET No. using the ***REMOTE KEYPAD***, and the VIEW TIMER access screen will be displayed. Repeat step **5** ~ **6**.



INPUT SECRET No.
* * * *

Note:

- When you choose the correct SECRET No., the VIEW TIMER access screen is displayed. If the wrong SECRET No. is chosen, "SECRET No. IS INCORRECT" is displayed. Input the SECRET No. again in this case.

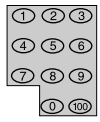
SECRET No. IS INCORRECT

■ **To cancel the VIEW TIMER (While the TV set is OFF but the VIEW TIMER is set)**

1 Turn on TV; a blue screen message "TIME OVER" will appear. If you do nothing, the TV will turn off in approximately 30 seconds.

TIME OVER
INPUT SECRET No.
– – – –

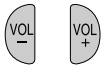
2 Enter the 4-digit SECRET No. using the ***REMOTE KEYPAD***. When you choose the correct SECRET No., the VIEW TIMER is canceled. If the wrong SECRET No. is chosen, "SECRET No. IS INCORRECT" is displayed. Input the SECRET No. again in this case.



TIME OVER
INPUT SECRET No.
* * * *

■ **To cancel the VIEW TIMER setting or change the SECRET No. (When you forget the SECRET No.)**

1 Repeat "How to set VIEW TIMER" steps and select "PARENT CONTROL VIEW TIMER" during step **3**. Press ***VOL (+)*** or ***(–)***, and "INPUT SECRET No." will be displayed.



INPUT SECRET No.
– – – –

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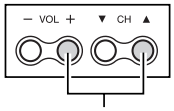
Parent Control (Continued)

2 Press and hold both ***VOL (+)*** and ***CH UP (▲)*** on the TV set simultaneously until the VIEW TIMER access screen is displayed. Now you can cancel the VIEW TIMER settings or change the SECRET No. while "INPUT SECRET No." is displayed.

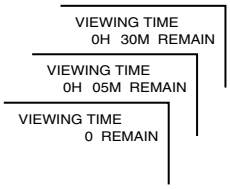
(On the Set)



VOL (+)/ CH UP (▲)

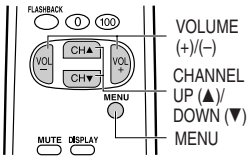
■ **Notice of Remaining VIEWING TIME**

- For every 30 minute interval, the "remaining time" will be displayed for 4 seconds. For the last 5 minutes, the "remaining time" will be displayed every minute.
- "0 REMAIN" will be displayed for 10 seconds just before the VIEWING TIME is completed.



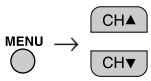
Energy Save

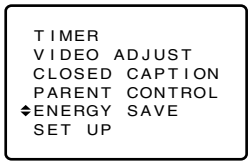
■ **This feature lets you lower the power consumption of your TV set which in turn saves you money and minimizes the impact on the environment. When this feature is turned on, it reduces the brightness of the TV to a level that consumes approximately 20% less energy than when the feature is turned off.**
The reduction in brightness will be less noticeable under low room lighting conditions.



1 Press ***MENU*** to access the MAIN MENU screen.

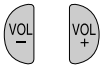
2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⬍" mark to "ENERGY SAVE".

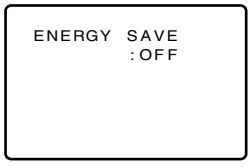




(MAIN MENU screen)

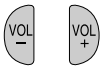
3 Press ***VOL (+)*** or ***(–)*** to access ENERGY SAVE select mode.

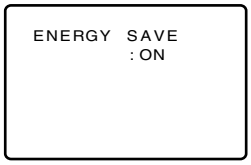




(ENERGY SAVE select mode)

4 Press ***VOL (+)*** or ***(–)*** to select "ON".





5 Press ***MENU*** to exit.

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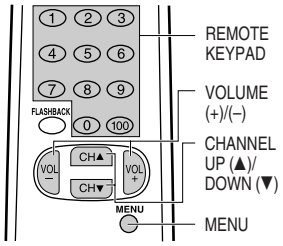
Set Up

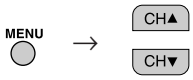
■ EZ SETUP

By operating the channel preset functions, you can preset your TV to the desired channels for viewing.



1 Press ***MENU*** to access the MAIN MENU screen.

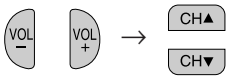
2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "◆" mark to "SET UP".




```
 TIMER
 VIDEO ADJUST
 CLOSED CAPTION
 PARENT CONTROL
 ENERGY SAVE
◆SET UP
```

(MAIN MENU screen)

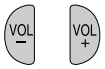
3 Press ***VOL (+)*** or ***(–)*** to access SET UP mode, then press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "◆" mark to "CH SETTING".




```
 BLUE SCREEN
 LANGUAGE
◆CH SETTING
```

(SET UP mode)

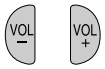
4 Press ***VOL (+)*** or ***(–)*** to access CH SETTING mode.




```
◆EZ SETUP
 AIR/CABLE
 CH SEARCH
 CH MEMORY
```

(CH SETTING mode)

5 Press ***VOL (+)*** or ***(–)*** to access EZ SETUP mode.




```
CONNECT ANTENNA
 OR CABLE.

START EZ SETUP?

          YES:VOL+
          NO :VOL–
```

(EZ SETUP mode)

6 Press ***VOL (+)***.
The tuner will automatically search for the broadcasting and cable TV channels. (The CH No. will automatically increase when it appears.)

If you want to stop the EZ SETUP process once it has started, press ***VOL (–)***. Search will be canceled.

To cancel EZ SETUP
Press ***VOL (–)***.

```
  PLEASE WAIT

AUTO PROGRAMMING


18
          STOP:VOL–
```

7 Once EZ SETUP is completed, the smallest channel number memorized will be displayed.

```
                2
```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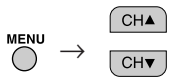
Set Up (Continued)

■ CHANNEL SETTING

If EZ SETUP does not memorize all the channels in your region, follow the instructions below to manually memorize the channel.

1 Press ***MENU*** to access the MAIN MENU screen.

2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "◆" mark to "SET UP".

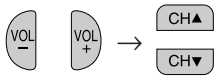



```
 TIMER
 VIDEO ADJUST
 CLOSED CAPTION
 PARENT CONTROL
 ENERGY SAVE
◆SET UP
```

(MAIN MENU screen)

3 Press ***VOL (+)*** or ***(–)*** to access SET UP mode.

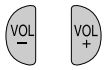
4 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "◆" mark to "CH SETTING".




```
 BLUE SCREEN
 LANGUAGE
◆CH SETTING
```

(SET UP mode)

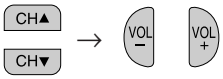
5 Press ***VOL (+)*** or ***(–)*** to access CH SETTING mode.




```
◆EZ SETUP
 AIR/CABLE
 CH SEARCH
 CH MEMORY
```

(CH SETTING mode)

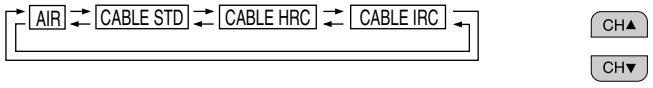
6 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "◆" mark to the "AIR/CABLE", then press ***VOL (+)*** or ***(–)*** to access AIR/CABLE mode.




```
 EZ SETUP
◆AIR/CABLE
 CH SEARCH
 CH MEMORY
```

(CH SETTING mode)

7 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "◆" mark to the desired mode.




```
 AIR/CABLE

 AIR
 CABLE STD
◆CABLE HRC
 CABLE IRC
```

(AIR/CABLE mode)

8 Press ***MENU*** to exit.

Note:

- Receivable channels of your TV set are:
  AIR channels:
  VHF: 2 through 13.
  UHF: 14 through 69.
  CABLE channels:
  1 (HRC and IRC mode only)
  2 through 125 (STD, HRC and IRC)

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Set Up (Continued)

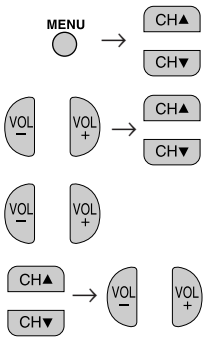
■ **Saving broadcast TV channels into memory.**

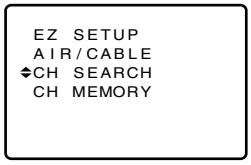
1.1 Press ***MENU*** to access the MAIN MENU screen, then press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "SET UP".

1.2 Press ***VOL (+)*** or ***(–)*** to access SET UP mode, then press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "CH SETTING".

1.3 Press ***VOL (+)*** or ***(–)*** to access CH SETTING mode.

1.4 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "CH SEARCH", then press ***VOL (+)*** or ***(–)*** to access CH SEARCH mode.





(CH SETTING mode)

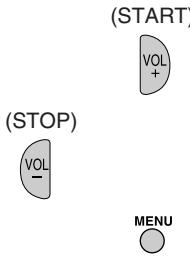
START

2.1 Press ***VOL (+)***. The tuner will search through all available channels in your area and add them into the TV's memory.

STOP

2.2 Press ***VOL (–)***. CH SEARCH will stop at the current channel and will not add any higher channels.

2.3 Press ***MENU*** to exit.



(CH SEARCH mode)

Note:

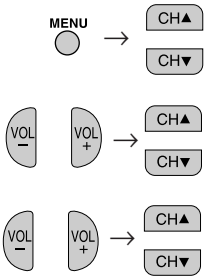
- If you press ***VOL (+)*** again while in the CH SEARCH mode, auto-program will start again, and the previously memorized channels will be lost.

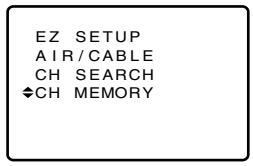
■ **Adding weak or additional channels or erasing unwanted channels from TV memory.**

1.1 Press ***MENU*** to access the MAIN MENU screen, then press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "SET UP".

1.2 Press ***VOL (+)*** or ***(–)*** to access SET UP mode, then press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "CH SETTING".

1.3 Press ***VOL (+)*** or ***(–)*** to access CH SETTING mode, then press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⇕" mark to "CH MEMORY".

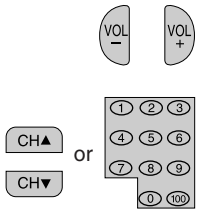




(CH SETTING mode)

2.1 Press ***VOL (+)*** or ***(–)*** to access CH MEMORY.

2.2 Use ***CH UP (▲)*** or ***DOWN (▼)*** or ***REMOTE KEYPAD*** to select each desired channel to add or erase.



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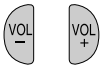
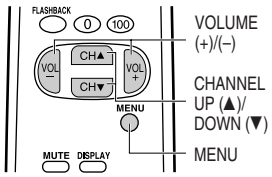
Set Up (Continued)

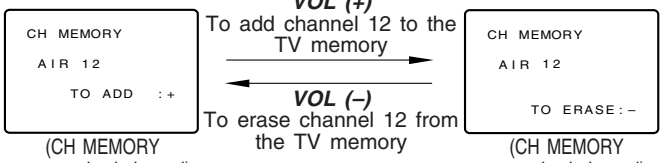
2.3 Press ***VOL (+)*** to add a channel to the TV's memory or press ***VOL (–)*** to erase a channel from the TV's memory.

2.4 Press ***MENU*** to exit.





MENU



(CH MEMORY unmemorized channel)

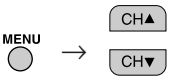
(CH MEMORY memorized channel)

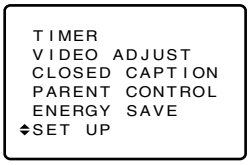
■ BLUE SCREEN

Automatically turns the screen blue if a broadcast signal is not received (e.g. when a TV station closes down). After 15 minutes of non-reception, the TV set turns off.

1 Press ***MENU*** to access the MAIN MENU screen.

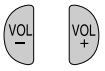
2 Press ***CH UP (▲)*** or ***DOWN (▼)*** to move the "⬍" mark to "SET UP".





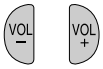
(MAIN MENU screen)

3 Press ***VOL (+)*** or ***(–)*** to access SET UP mode.



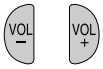
(SET UP mode)

4 Press ***VOL (+)*** or ***(–)*** to access BLUE SCREEN select mode.



(BLUE SCREEN select mode)

5 Press ***VOL (+)*** or ***(–)*** to select "ON".



6 Press ***MENU*** to exit.

MENU

Note:

- Poor reception due to weak signals, or too much noise might activate the BLUE SCREEN function despite the presence of a broadcast signal. To continue watching TV under these conditions, switch the BLUE SCREEN "OFF".

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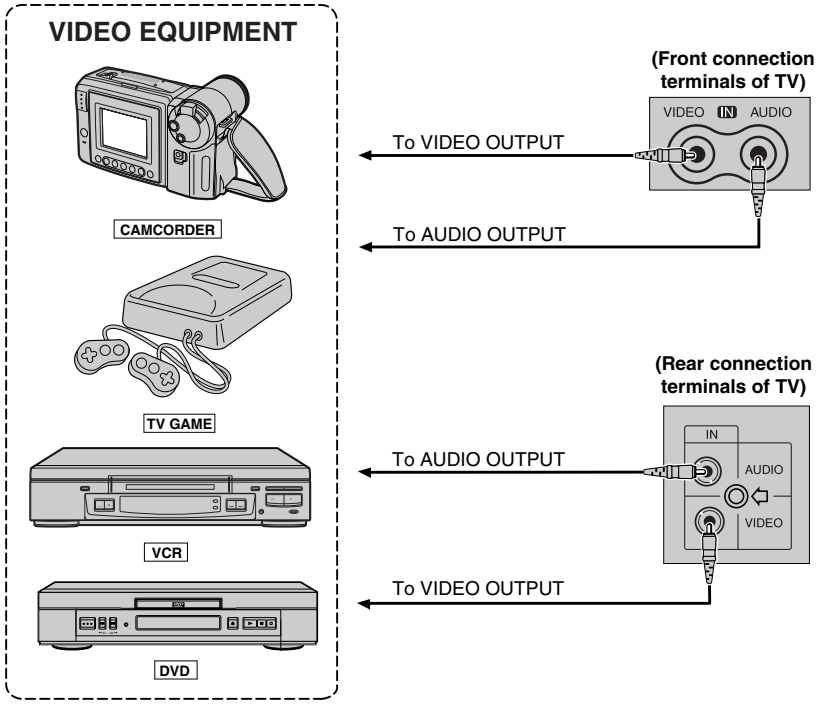
Using the Video and Audio Input Jacks

■ **Connecting video equipment for playback of video material.**

- When the television is connected to video equipment as shown below, the material being played back on the video equipment can be seen on the television screen.

Connecting video device equipped with video output terminals.

CONNECTIONS



■ **To watch video material playback.**

- Press the Remote's ***INPUT*** button to select the VIDEO INPUT mode for the video equipment you wish to play.
- The external VIDEO INPUT mode will change as follows each time the ***INPUT*** button is pressed.

AIR or CABLE → INPUT (Rear/Front)

- INPUT mode can be selected by pressing either the ***CH UP (▲)*** on the TV remote control when the TV is set to the highest channel stored in memory, or by pressing the ***CH DOWN (▼)*** when it is set to the lowest channel.
- The front terminal overrides the rear terminal.

Note:

- When connecting video or audio equipment to the television, be sure that the power is turned off in order to prevent damage to either the television or the equipment being connected.
- Audio-visual material may consist of copyrighted works which must not be recorded without the authority of the owner of the copyright. Please refer to relevant laws in your country.
- For detailed information on the connection and use of auxiliary equipment, refer to the instruction manuals of the equipment being used.
- The connection cords can be obtained from your local video store.

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Specifications

MODEL			14LK22
Receiving System			NTSC
Reception Channels			
	AIR	VHF	2-13 CH
		UHF	14-69 CH
	CATV		1-125 CH
Channel Tuning			181-Chnnel Reception PLL tuning system
Antenna Input Impedance			VHF/UHF 75 ohm Unbalanced
Screen Size			14″ Diagonally Measured
Terminals			Audio/Video input x 2 (Front x 1, Rear x 1)
Sound Output			1.0 W (MAX)
Power Source			AC 110-220 V, 50/60 Hz
Power consumption			53 W
Dimensions			$14^{1}/_{32}$″ (W) x $12^{11}/_{16}$″ (H) x $14^{21}/_{32}$″ (D) [355.5 mm (W) x 322.0 mm (H) x 372.0 mm (D)]
Weight (approx.)			18.7 lbs (8.5 kg)

• Design and specifications are subject to change without notice.

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Before Calling for Service

Check these items and see if you can correct the trouble with a slight adjustment of the controls.

QUICK SERVICE CHECK LIST / PROBLEM / POSSIBLE REMEDY	No Playback of VCR and Disc Player	No Picture or Sound from External Video/Audio Products	Remote Control Doesn't Work	Bars on Screen	Picture Distorted	Picture Rolls Vertically	No Color	Poor Reception on Some Channels	Weak Picture	Lines or Streaks in Picture	Ghosts in Picture	Picture Blurred	Sound OK, Picture Poor	Picture OK, Sound Poor	No Picture or Sound	Dark and Blank Picture	External Electrical Noise Interfering with TV's Operation
Try a new channel, if OK, then there is possible station trouble.					X	X	X	X	X	X	X	X	X	X	X		
Is TV plugged in? Power at outlet?		X	X												X		
Is TV's POWER button on?		X													X		
Is antenna connected to terminal on the back of the set?							X	X	X		X		X		X		
If outside antenna is being used, check for broken wire.				X	X	X	X	X	X	X	X	X	X		X		
Check for local interference or external electrical noise.				X		X		X		X	X		X	X			X
Turn off with POWER button and then turn it on after about a minute.		X													X		
Adjust COLOR control.							X										
Adjust PICTURE control.									X				X				
Check external Video/Audio products: ~~look for loose/broken~~ connection leads. (Refer to page E 20)	X	X											X	X	X		
Check batteries of Remote Control.			X														
Are audio cables connected firmly? Check the volume level.															X		
Change Closed Caption mode to "OFF" / Energy Save mode to "OFF".																X	
Unplug the TV and plug it in again after 2 minutes.			X			X	X	X	X				X	X	X	X	X

23

Calling for Service

SHARP ¡genial!
Respuestas Inmediatas

In Mexico:
Sharp Electronics Corporation
Sucursal en Mexico
Col. Ampliación Asturias
México D.F. 06890
Tel. : 57 16 90 00
Internet: www.sharp.com.mx
e-mail: genial@sharp.com.mx

In other Latin American Countries:
Sharp Electronics Corporation
6100 Blue Lagoon Drive Suite 230
Miami, Florida 33126 USA
Tel. : (305) 264-2277
Internet: www.SiempreSharp.com

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SHARP

SHARP CORPORATION

Printed in Mexico
TINS-7400GJZZ
01P06-MMP

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SHARP

7400 GJ

MODELO

14LK22

TELEVISOR A COLOR
MANUAL DE OPERACION

INDICE

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- INFORMACIÓN IMPORTANTE ..... ES 2
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- MEDIDAS DE SEGURIDAD IMPORTANTES ..... ES 3 ~ ES 4
- Antes de poner en funcionamiento su televisor ..... ES 5
- Conexiones de antenas ..... ES 6
- Referencia rápida de los controles de operación ..... ES 7
- PREAJUSTE CANAL al encender el aparato por primera vez ..... ES 8
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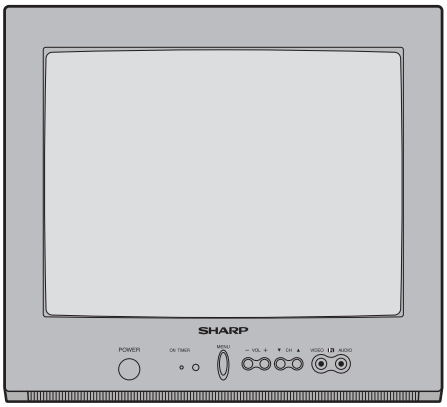
- Especificaciones ..... ES 24
- Antes de llamar al servicio de reparaciones ..... ES 25
- Servicio de Reparaciones ..... ES 25



NOM

NYCE

LEA LA TOTALIDAD DE ESTE MANUAL DE OPERACIÓN ANTES DE PONER EN MARCHA EL APARATO.

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Bienvenido a la familia SHARP. Nos complace que sea Ud. el dueño de un televisor a color SHARP, diseñado y fabricado con las mejores normas de calidad, confiabilidad y rendimiento. Todos los televisores a color SHARP han sido sintonizados y ajustados para brindar a Ud. una imagen con un color y un sonido inmejorables, y han sido sometidos en fábrica a las más estrictas pruebas de control de calidad. Hemos preparado este MANUAL DE OPERACION para que Ud. pueda ajustar la imagen y el color según sus preferencias.
Sinceramente esperamos que su televisor a color SHARP le depare grandes satisfacciones y muchas horas de entretenimiento en los años venideros. Sírvase leer cuidadosamente estas instrucciones y téngalas a mano para consultarlas cuando sea necesario.

IMPORTANTE

Sirvase anotar los números del modelo y serie del televisor en el espacio provisto, para ayudar a reportar en caso de pérdida o robo. Los números están ubicados en la parte posterior del televisor

Número de Modelo:

Número de Serie:

INFORMACIÓN IMPORTANTE

ADVERTENCIA: PARA REDUCIR EL RIESGO DE INCENDIO O DESCARGA ELECTRICA, NO EXPONGA ESTE APARATO A LA HUMEDAD.

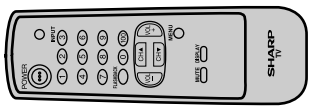
PRECAUCIÓN
RIESGO DE DESCARGA ELÉCTRICA NO ABRA

PRECAUCION: PARA REDUCIR EL RIESGO DE ELECTROCHOQUE, NO QUITE LA CUBIERTA (NI LA PARTE DE ATRAS), NO INTRODUZCA PARTES DE SERVICIO POR PARTE DEL USUARIO. REFIERASE EXCLUSIVAMENTE PARA SERVICIO AL PERSONAL DE SERVICIO CALIFICADO.

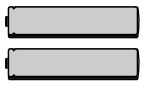
El relámpago con cabeza de flecha dentro de un triángulo indica al usuario que las partes dentro del producto representan riesgo de descarga eléctrica.

El signo de exclamación dentro de un triángulo trata de indicar al usuario que las instrucciones importantes de operación y servicio se encuentran en los documentos con el aparato.

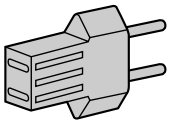
Accesorios suministrados



Control Remoto por Infrarrojos
Número de parte : RRMCG1339CESB



Pilas secas tamaño "AA" de 1,5 V cc



Adaptador de clavija ca

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MEDIDAS DE SEGURIDAD IMPORTANTES

PRECAUCION: Lea por favor todas estas instrucciones antes de poner en funcionamiento su televisor, y guárdelas para poder utilizarlas en el futuro, si fuese necesario.

La energía eléctrica puede realizar muchas funciones útiles. Este aparato ha sido diseñado y fabricado para garantizar su seguridad física. Sin embargo, UNA UTILIZACION INAPROPIADA PODRIA SER LA CAUSA DE DESCARGAS ELECTRICAS O INCENDIOS. Para mantener el buen funcionamiento de este equipo y evitar problemas, siga las normas básicas indicadas a continuación cuando lo instale, utilice o repare.

1. Desenchufe el televisor del tomacorriente antes de limpiarlo.

2. No utilice líquidos ni aerosoles de limpieza. Para limpiar el televisor utilice un paño húmedo.

3. No utilice accesorios no recomendalos por el fabricante del televisor, ya que éstos podrían ocasionar un peligro.

4. No utilice el televisor cerca del agua — por ejemplo, cerca de una bañera, lavabo, fregadero o lavadora, en un sótano húmedo, cerca de una piscina, etc.

5. No utilice este televisor sobre un carrito, soporte o mesa inestable. El televisor podría caerse causando serias heridas a niños o adultos, y, por supuesto, el aparato se estropearía.

   Ponga el televisor sobre un carrito o soporte recomendado por el fabricante, o vendido junto con el televisor.

   La combinación de carrito y televisor debe moverse con mucho cuidado. Las paradas rápidas, la fuerza excesiva y las superficies irregulares pueden causar que la combinación de que la combinación de televisor y carrito se volteen.

6. Cuando instale el televisor en una pared o en una estantería siga las instrucciones del fabricante, y utilice los aditamentos de montaje aprobado por el fabricante.

7. Las ranuras y aberturas de la caja y del panel posterior o inferior sirven para la ventilación del aparato, para que éste funcione bien y para evitar que se caliente. Estas aberturas no deben taparse nunca. Este televisor no debe colorcarse en un lugar cerrado si éste no dispone de la ventilación apropiada.

8. Las aberturas no deben taparse nunca con un paño u otro material; y las aberturas del panel inferior tampoco deben taparse colocando el televisor sobre una cama, sofá, alfombra u otra superficie similar. Este televisor no debe ponerse nunca cerca o encima de un radiador u otro aparato que produzca calor.

9. Este televisor sólo debe funcionar con la fuente de corriente indicada en la etiqueta del fabricante. Si no está seguro acerca del tipo de corriente de su hogar, póngase en contacto con el concesionario de quien adquirió el televisor o con la compañía eléctrica local.
   En el caso de equipos de televisión diseñados para funcionar con baterías, consulte las instrucciones de uso.

10. No permita que se apoye nada sobre el cable de alimentación. No ponga este televisor donde el cable pueda ser deformado por personas que caminen sobre él.

11. Cumpla con todos los avisos e instrucciones marcados en el televisor.

12. Si hay una antena exterior conectada al televisor, asegúrese de que el sistema de antena está conectado a tierra, para obtener así cierta protección contra la sobretensión y contra las cargas de electricidad estática acumulada.

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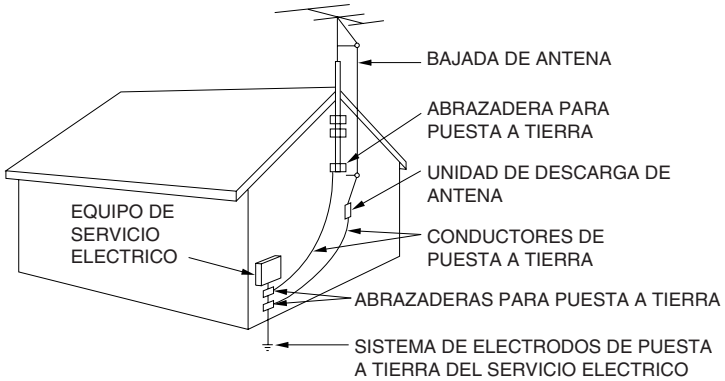
MEDIDAS DE SEGURIDAD IMPORTANTES (Continuación)

EJEMPLO DE CONEXION A TIERRA DE UNA ANTENA SEGUN EL CODIGO ELECTRICO NACIONAL


BAJADA DE ANTENA
ABRAZADERA PARA PUESTA A TIERRA
UNIDAD DE DESCARGA DE ANTENA
EQUIPO DE SERVICIO ELECTRICO
CONDUCTORES DE PUESTA A TIERRA
ABRAZADERAS PARA PUESTA A TIERRA
SISTEMA DE ELECTRODOS DE PUESTA A TIERRA DEL SERVICIO ELECTRICO

13. Para proteger aún más este televisor durante tormentas eléctricas o cuando se deje sin atender y sin utilizar durante largos periodos de tiempo, desenchufe el cable de alimentación del tomacorriente de la pared y desconecte la antena. Esto evitará que el aparato pueda estropearse debido a los relámpagos y a la sobretensión en la línea de alimentación.

14. Un sistema de antena exterior no debe ubicarse cerca de líneas de alimentación elevadas, ni cerca de luces eléctricas o circuitos de alimentación. Tampoco debe ubicarse donde pueda caer sobre tales líneas o circuitos de alimentación. Cuando instale un sistema de antena exterior, tenga muchísimo cuidado de no tocar las líneas o circuitos de alimentación porque el contacto podría causar un accidente mortal.

15. No sobrecargue los tomacorrientes ni los cables de extensión porque esto podría causar un incendio o descarga eléctrica.

16. No meta nunca ningún objeto en el interior del televisor porque podría tocar piezas con alta tensión o causar un cortocircuito con otras piezas causando un incendio o descarga eléctrica. No derrame nunca ningún tipo de líquido sobre el televisor.

17. No trate de reparar el televisor usted mismo porque al abrir o quitar las tapas podría exponerse a una descarga de tensión u otros peligros. Las reparaciones deben ser realizados por personal de servicio calificado.

18. Desenchufe este televisor del tomacorriente y solicite el servicio de un técnico calificado cuando se produzcan las condiciones siguientes:
    A. Cuando el cable de alimentación o el enchufe estén estropeados.
    B. Cuando haya derramado un líquido sobre el televisor.
    C. Si el televisor ha quedado expuesto a la lluvia o el agua.
    D. Si el televisor no funciona normalmente siguiendo las instrucciones de operación. Ajuste solamente los controles indicados en las instrucciones de operación. Un ajuste inadecuado de otros controles podría estropear el aparato y, entonces, sería necesario acudir a un técnico calificado para que éste lo repare y lo devuelva a su condición normal.
    E. Si el televisor se ha caído o la caja se ha estropeado.
    F. Cuando las características del televisor cambien considerablemente será necesario llamar al servicio de reparaciones.

19. Al finalizar cualquier servicio o reparación de este televisor, pida al técnico de servicio que realice comprobaciones de seguridad rutinarias para determinar si el televisor puede funcionar sin causar ningún problema.

20. Cuando sea necesario cambiar piezas, cerciórese de que el técnico de servicio utiliza las piezas de recambio especificadas por el fabricante, aquellas que tengan las mismas características que las piezas originales. Las piezas de recambio no autorizadas pueden causar incendios, descargas eléctricas u otros peligros.

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Antes de poner en funcionamiento su televisor

Ubicación

- Para que su televisor funcione normalmente, éste debe estar ubicado en una sala que pueda ventilarse bien. No ponga la parte posterior del televisor en un lugar donde la circulación de aire no sea apropiada.
- Los campos magnéticos pueden alterar el color de la imagen. No acerque a este televisor imanes, relojes eléctricos, juguetes que utilicen imanes, u otros metales magnéticos como, por ejemplo, el hierro.

Alimentación

Su televisor funciona con 110-220 V ca, 50/60 Hz y consume 53 W (corriente normal del hogar).

Nota:

- Si no va a utilizar el televisor durante un largo periodo de tiempo, por ejemplo, durante las vacaciones, desenchúfelo del tomacorrientes para ahorrar energía. (Si el televisor está enchufado al tomacorrientes se consume un poco de corriente, a pesar de que el interruptor POWER esté desconectado.)
- Cuando se encuentra cerca del televisor un sintonizador de FM o una radio, y estén siendo recibidas las emisiones de radio o TV al mismo tiempo, pueden aparecer líneas y otros ruidos en las imágenes de TV. En este caso, desconecte el televisor o la radio.
- Desconecte el televisor cuando escuche emisiones de AM. En caso contrario, las interferencias del televisor evitarán que puede recibir las señales de AM.

■ **Prepare el control remoto antes de utilizar el televisor**

Para utilizar control remoto no se olvide de introducir primero sus pilas.

Introduzca las pilas

- Con la uña del dedo pulgar, haga presión sobre la ranura señalada con la flecha para levantar la cubierta posterior. Inserte dos pilas (tamaño “AA” de 1,5 V cc). Asegúrese de hacer coincidir las terminales ⊕/⊖ de las pilas con las marcas ⊕/⊖ que hay en el interior del compartimento.

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Conexiones de antenas

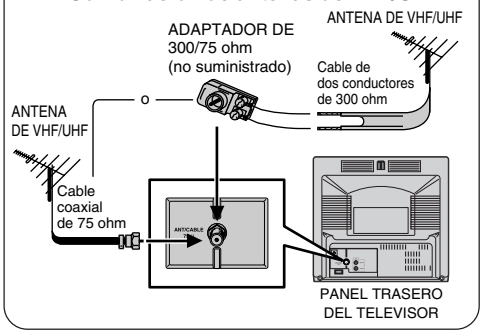
Antenas

- Las antenas para obtener una buena recepción de televisión en color necesitan ser mejores que las antenas para la recepción de televisión en blanco y negro. Por esta razón, se recomienda utilizar una antena exterior de buena calidad.

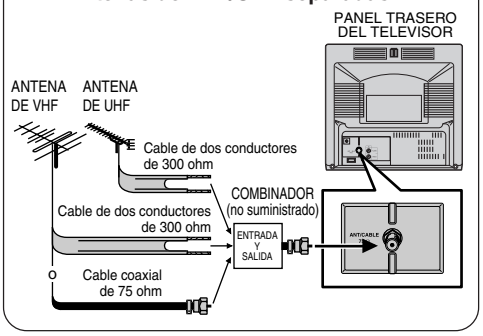
CONEXION DE ANTENA EXTERIOR

- Para conectar una antena exterior, utilice uno de los dos diagramas mostrados a continuación.
  A: Utilizando una combinación de antenas exteriores de VHF y UHF.
  B: Utilizando antenas exteriores de VHF y/o UHF separadas.
- Conecte el cable de bajada de antena exterior al conector ANT/CABLE de la parte posterior del televisor.

A. Combinación de antenas de VHF/UHF



B. Antenas de VHF/UHF separadas



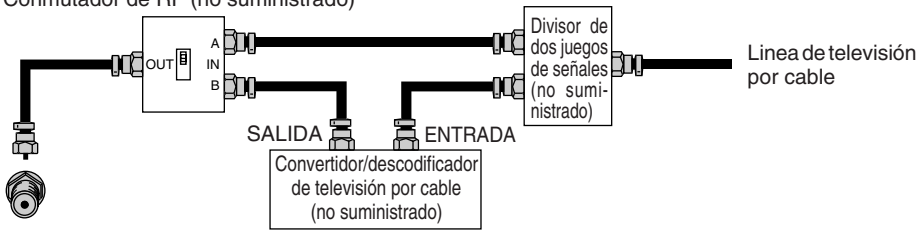
CONEXION DE TELEVISION POR CABLE (TV)

- El conector del cable coaxial de 75 ohm está incorporado en el televisor para facilitar la conexión. Cuando conecte el cable coaxial de 75 ohm al televisor, atomille el cable de 75 ohm al CONECTOR DE CABLE COAXIAL.
- Algunas compañías de televisión por cable ofrecen “canales de pago de calidad superior”. Como las señales de estos canales de pago de calidad superior están codificadas, la compañía de televisión por cable suministra al usuario un convertidor/descodificador de televisión por cable. Este convertidor/descodificador es absolutamente necesario para poder ver normalmente aquellos canales que estén codificados. (Ponga el canal de televisión por cable en el canal 3 o 4 de su televisor. Si no conoce este dato, consulte a su compañía de televisión por cable.) Para obtener instrucciones más detalladas sobre cómo instalar la televisión por cable, póngase en contacto con su compañía de televisión por cable. A continuación se explica un método posible para utilizar el convertidor/descodificador suministrado por su compañía de televisión por cable.
  Tenga en cuenta que es necesario utilizar un conmutador de RF (no suministrado) con posición A/B.

Posición “A” en el conmutador de RF (no suministrado) : Podrá ver todos los canales sin codificar utilizando las teclas de canales del televisor.

Posición “B” en el conmutador de RF (no suministrado) : Utilizando las teclas de canales del convertidor/descodificador podrá ver los canales codificados.

Conmutador de RF (no suministrado)



Nota:

- Consulte con su concesionario o con el centro de servicios SHARP sobre el tipo de conectar, interruptor RF o combinador que se requiera.

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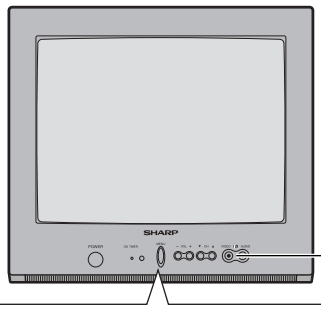
Referencia rápida de los controles de operación

■ Ubicación de los Controles

Panel Delantero



TERMINALES DE ENTRADA
IN VIDEO/AUDIO
(Las terminales VIDEO/AUDIO también se encuentran en la parte posterior)

ALIMENTACION (POWER)
Pulsar → Enciende (On).
Pulsar nuevamente → Apagar (Off).

CANAL SUPERIOR (▲)/INFERIOR (▼)
(▲) Selecciona el siguiente canal superior.
(▼) Selecciona el siguiente canal inferior.

Indicador de ON TIMER

AUMENTO/DISMINUCION DEL VOLUMEN
(+) Aumenta el sonido.
(–) Disminuye el sonido.

ZONA DEL SENSOR PARA EL CONTROL REMOTO

MENU
Pulsando → Accede al MENU PRINCIPAL.
Pulsando nuevamente → Sale del MENU PRINCIPAL.

Funciones Basicas Del Control Remoto

Ventanilla del transmisor de infrarrojos

ALIMENTACION (POWER)
Pulsar → Enciende (On).
Pulsar nuevamente → Apagar (Off).

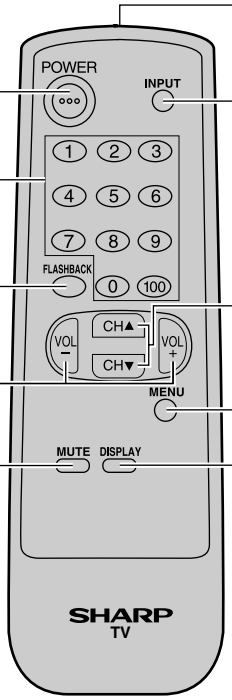
ENTRADA (INPUT)
Pulsar → Cambia al modo de entrada de video externo.
Pulsar nuevamente → Cambìa al modo de TV.
Consulte la pág. ES 23.

TECLADO A DISTANCIA (REMOTE KEYPAD)
Acceso a todos los canales desde el teclado.

RETORNO AL CANAL ANTERIOR (FLASHBACK)
Vuelve al canal anterior.

CANAL SUPERIOR/INFERIOR (CHANNEL UP/DOWN)
(▲) Selecciona el siguiente canal superior.
(▼) Selecciona el siguiente canal inferior.
- Véanse pág. ES 19 ~ ES 22 para preselección de canal.
- En el modo de MENU, mueve la marca " ⬍ ".

AUMENTO/DISMINUCION DEL VOLUMEN (VOLUME UP/DOWN)
(+) Aumenta el sonido.
(–) Disminuye el sonido.
- En modo de MENU cambia o selecciona el ajuste del televisor.



MENU (MENU)
Pulsar → Accede al MENU PRINCIPAL.
Pulsar nuevamente → Sale del MENU PRINCIPAL.

SILENCIAMIENTO (MUTE)
Pulsar → Silencia el sonido.
Pulsar nuevamente → Restaura el sonido.
- CLOSED CAPTION aparece automáticamente cuando el sonido es silenciado.

VISUALIZACION (DISPLAY)
Pulsar → Aparece el canal de recepción por 4 segundos.
Pulsar nuevamente → Elimina la visualización.
- En el modo de "Closed Caption" se muestra el canal de recepción por un corto tiempo.

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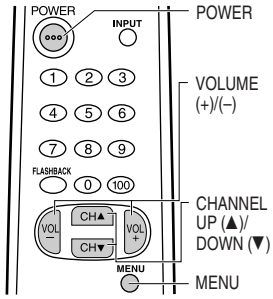
PREAJUSTE CANAL al encender el aparato por primera vez

■ **Cuando encienda su TV por primera vez, éste memorizará automáticamente los canales de transmisión.**
Le recomendamos que ejecute las siguientes instrucciones antes de pulsar el botón de encendido.
(1) Introduzca las pilas en el Control Remoto. (Ver pág. ES 5)
(2) Conecte el cable de la antena al televisor. (Ver pág. ES 6)
(3) Enchufe el cable de alimentación al tomacorriente.



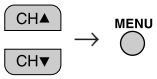
1 Pulse el botón ***POWER*** del televisor en el Control Remoto para encender el aparato. Aparecerá el modo SELECCIONAR IDIOMA.

(En el televisor) (Control Remoto)

IDIOMA FAVORABLE
ENGLISH
⇕ESPAÑOL

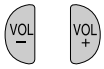
(Modo SELECCIONAR IDIOMA)

2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para seleccionar “ENGLISH” o “ESPAÑOL”. Pulsar luego ***MENU*** para ajustar el IDIOMA.



IDIOMA FAVORABLE
ENGLISH
⇕ESPAÑOL

3 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo PREAJUSTE CANAL.



CONECTE ANTENA
O CABLE.
¿INICIAR MEMORIA
DE CANALES?
SI : VOL+
NO : VOL–

(Modo PREAJUSTE CANAL)

4 Pulse ***VOL (+)***.
El sintonizador buscará automáticamente los canales de TV de radiodifusión y de TV por cable. (El número de canal aumentará automáticamente al sintonizar un canal.)

Si desea parar el proceso de PREAJUSTE CANAL una vez iniciado, pulse ***VOL (–)*** y quedará anulado.

Si quiere activar nuevamente PREPARACIÓN, sírvase consultar la pág. ES 19 sobre PREPARACIÓN.

Para cancelar PREAJUSTE CANAL Pulse ***VOL (–)***.

ESPERE POR FAVOR
PROGRAMACION
AUTOMATICA
18
PARAR : VOL–

5 Una vez terminado PREAJUSTE CANAL, se visualizará el número menor de canal.

2

Nota:

- Si PREAJUSTE CANAL no memoriza todos los canales de su región, sírvase consultar la pág. ES 19 para obtener más información sobre la memorización manual de canales utilizando AJUSTE DE CANAL.
- Pueden presentarse dificultades de AJUSTE PRELIMINAR cuando las señales de transmisión son débiles, cuando la frecuencia de ciclo del canal es incorrecta o cuando hay saturación de frecuencia en el área circundante. Sírvase consultar las págs. ES 19 ~ ES 22 para más información sobre la memorización manual de los canales usando AJUSTE DE CANAL.

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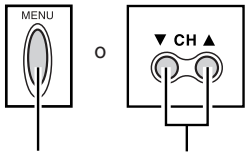
Modo Demo

- Para averiguar rápidamente más cosas sobre el aparato de televisión, pulse y sostenga durante más de tres segundos ***MENU*** o ***CH UP (▲)*** y ***DOWN (▼)*** en el televisor. El televisor entrará en el modo DEMO donde se explican brevemente las diversas funciones.
- Para cancelar el modo DEMO, vuelva a pulsar ***MENU*** o ***CH UP (▲)*** y ***DOWN (▼)*** en el televisor.

(En el televisor)



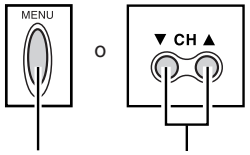
Boton MENU ***Botones CH UP (▲)/ DOWN (▼)***

Ejemplo:
Representación visual del modo DEMO

Acceso a la pantalla de MENU PRINCIPAL sin el Mando a Distancia

- Aunque haya extraviado su Mando a Distancia, puede acceder igualmente a la mayor parte de las funciones a través de la pantalla de MENU PRINCIPAL al pulsar ***MENU*** o ***CH UP (▲)*** y ***DOWN (▼)*** de su televisor.
- Hay algunas funciones del televisor a las que sólo puede accederse con el Mando a Distancia. En caso de haberlo extraviado, póngase en contacto con un Centro de Servicio Técnico de Sharp para que le proporcionen otro.

(En el televisor)



Boton MENU ***Botones CH UP (▲)/ DOWN (▼)***

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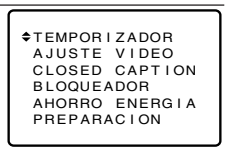
Idioma

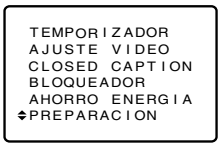
- **El idioma de la visualización en pantalla de este aparato debe seleccionarse para que sea Inglés o Español.**
- **Ajuste del idioma de la visualizacion en pantalla.**

1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL.

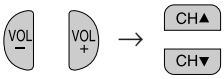


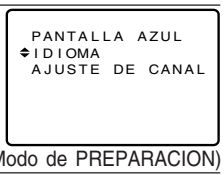
(Pantalla del MENU PRINCIPAL)

2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⇕" a "PREPARACION".



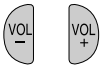
3 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de PREPARACION, pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⇕" a "IDIOMA".

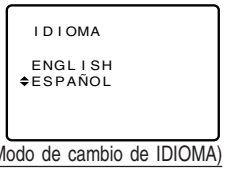




(Modo de PREPARACION)

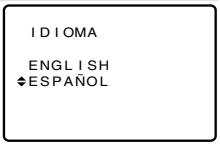
4 Pulse ***VOL (+)*** o ***(–)*** para acceder el modo de cambio de IDIOMA.





(Modo de cambio de IDIOMA)

5 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para seleccionar "ENGLISH" o "ESPAÑOL".



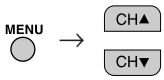
6 Pulse ***MENU*** para salir.

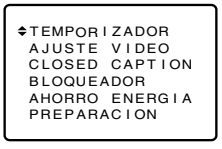
Temporizador para apagar

- **Se puede programar el apagado automático del televisor en incrementos de 30, 60, 90 o 120 minutos.**

1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL.

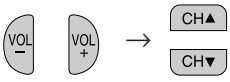
2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⇕" a "TEMPORIZADOR".

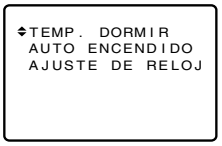




(Pantalla del MENU PRINCIPAL)

3 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de PREPARACION, pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⇕" a "TEMP. DORMIR".





(Modo de selección de temporizador)

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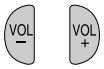
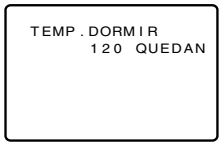
Temporizador para apagar (Continuación)

4 Pulse ***VOL (+)*** o ***(–)*** para ajustar a 30, 60, 90 o 120 minutos la hora de desconeción para dormir.

--- ↔ 30 ↔ 60 ↔ 90 ↔ 120





(Mode de ajuste del temporizador)

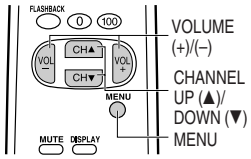
5 Pulse ***MENU*** para salir.

Nota:

- Para desactivar el Tecla de Desconexión, repita los pasos de TEMP. DORMIR anteriormente indicados y seleccione "– – – QUEDAN" en el paso **4.**
- Mientras el TEMPORIZADOR DE DORMIR está activo, el tiempo que queda aparecerá brevemente en la pantalla a intervalos regulares o al pulsar el botón Display en el control remoto.

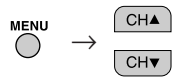
Temporizador para encender

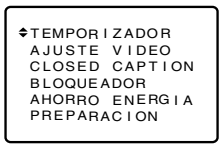
■ **La programación del temporizador para encendido enciende el televisor a una hora automáticamente predeterminada.**



1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL.

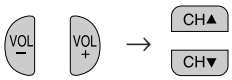
2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" a "TEMPORIZADOR".

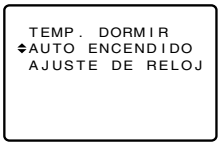




(Pantalla del MENU PRINCIPAL)

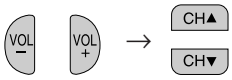
3 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de PREPARACION, pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" a "AUTO ENCENDIDO".

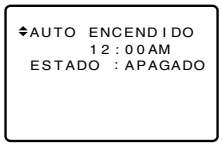




(Modo de selección de temporizador)

4 Pulse ***VOL (+)*** o ***(–)*** para acceder a "AUTO ENCENDIDO". Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para seleccionar "AUTO ENCENDIDO".

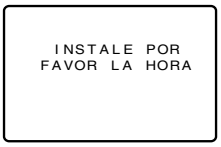




(Modo de ajuste del temporizador para encender)

Nota:

- Cuando el temporizador no está programado, la pantalla AJUSTE DE RELOJ aparece automáticamente después de que aparezca el OSD que se visualiza debajo (AJUSTE DE RELOJ paso **3**).



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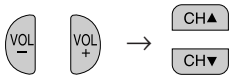
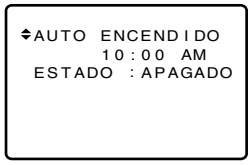
Temporizador para encender (Continuación)

5 Pulse ***VOL (+)*** o ***(–)*** para seleccionar el dígito de la hora y ajústelo pulsando ***CH UP (▲)*** o ***DOWN (▼)***.

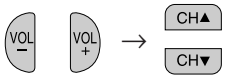


12 : 00 AM
El color del indicador cambia a rojo.

12:00AM↔ 1:00AM ↔ 2:00AM ↔ … ↔ 10:00PM ↔ 11:00PM

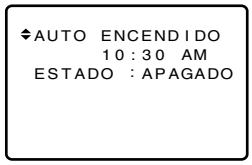


6 Pulse ***VOL (+)*** o ***(–)*** para seleccionar el dígito de minutos y ajústelo pulsando ***CH UP (▲)*** o ***DOWN (▼)***.

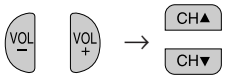


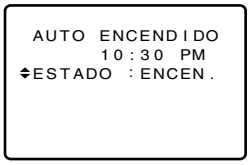
10 : 00 PM
El color del indicador cambia a rojo.

00↔ 10 ↔ 20 ↔ 30 ↔ 40 ↔ 50



7 Pulse ***VOL (+)*** o ***(–)*** para completar el ajuste del temporizador. Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para seleccionar "ESTADO", y pulse ***VOL (+)*** o ***(–)*** para seleccionar "ENCEN." o "APAGADO".





ON : Se activa AUTO ENCENDIDO, y enciende la unidad a la hora deseada.
Indicador AUTO ENCENDIDO: se enciende

OFF : Se apaga AUTO ENCENDIDO
Indicador AUTO ENCENDIDO: se apaga.

8 Pulse ***MENU*** para salir.

Nota:

- Por razones de seguridad, la unidad se apaga automáticamente a los 120 minutos (TEMP. DORMIR) después de que la unidad se encienda según el ajuste del AUTO ENCENDIDO. (Pulse cualquier botón para cancelar el TEMP. DORMIR)

10-14 14LK22 [ES].p65e 12 9/5/01, 6:41 PM

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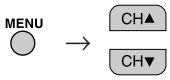
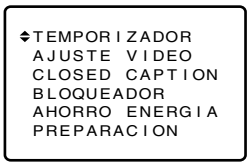
Ajuste del reloj

■ **Cómo configurar la hora**

1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL.

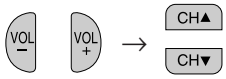
2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" a "TEMPORIZADOR".

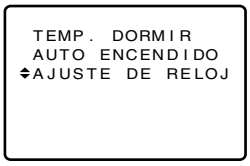




(Pantalla del MENU PRINCIPAL)

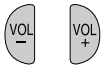
3 Pulse ***VOL (+)*** o ***(–)*** para acceder al "TEMPORIZADOR", luego pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" a "AJUSTE DE RELOJ".

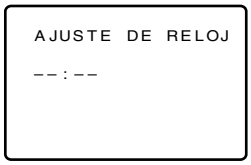




(Modo de selección del TIMER)

4 Pulse ***VOL (+)*** o ***(–)*** para acceder a "AJUSTE DE RELOJ".



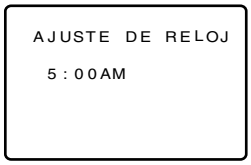


(Modo de ajuste de AJUSTE DE RELOJ)

5 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para ajustar los dígitos de la hora.

12 : 00 AM
El color del indicador cambia a rojo.

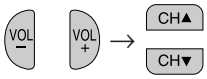
12:00AM ↔ 1:00AM ↔ 2:00AM ↔ ⋯⋯
11:00PM ↔ 10:00PM ↔ 9:00PM ↔ ⋯



6 Pulse ***VOL (+)*** o ***(–)*** para seleccionar el dígito de minutos y ajústelo pulsando ***CH UP (▲)*** o ***DOWN (▼)***.

12 : 00 AM
El color del indicador cambia a rojo.

00 ↔ 01 ↔ 02 ↔ ⋯ ↔ 57 ↔ 58 ↔ 59



7 Pulse ***MENU*** para salir.

Nota:

- La configuración de la hora puede desconfigurarse por cortes de luz, etc.

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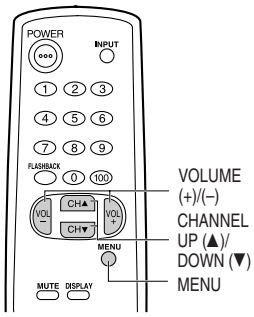
Ajuste de vídeo

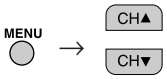
Descripción de los puntos de Ajuste

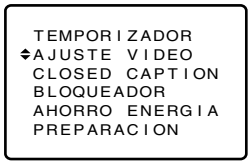
Item seleccionado	Botón VOL UP (+)	Botón VOL DOWN (–)
CONTRASTE	Para aumentar el contraste	Para disminuir el contraste
MATIZ	La tonalidad de la piel se torna verdosa	La tonalidad de la piel se torna violeta
COLOR	Para mayor intensidad del color	Para menor intensidad del color
BRILLO	Para mayor brillo	Para menor brillo
NITIDEZ	Para mayor nitidez	Para menor nitidez
COLOR FAVORITO	Para elegir un TONO DE COLOR ROJO, AZUL o ESTÁNDAR.	
REPOSICION	Todos los ajustes retornan al nivel preajustado en la fábrica.	



1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL.

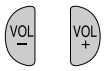
2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" a "AJUSTE VIDEO".

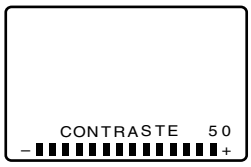




(Pantalla del MENU PRINCIPAL)

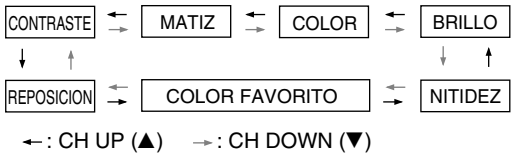
3 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de ajuste de la IMAGEN.



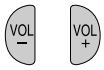


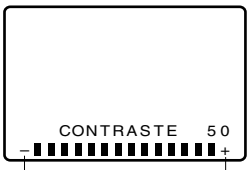
(Modo de ajuste de la IMAGEN)

4 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para seleccionar el modo deseado. (Consulte el esquema que figura más abajo.)



5 Pulse ***VOL (+)*** o ***(–)*** para regular el ajuste.





VOL UP (+) aumenta el contraste

VOL DOWN (–) disminuir el contraste

6 Repita las operaciones **4** y **5** para regular otros ajustes.

7 Pulse ***MENU*** para salir.

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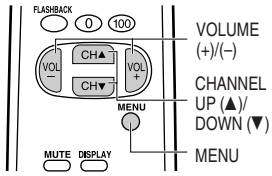
Closed Caption

■ PARA AJUSTAR EL CLOSED CAPTION

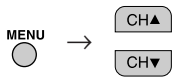
- Su televisor está equipado con un descodificador interno de CLOSED CAPTION. “Closed Caption” es un sistema que le permite visualizar conversaciones, narraciones y efectos sonoros en programas de TV y vídeos domésticos como subtítulos en la pantalla del televisor, tal como se ilustra a la derecha.
- No todos los programas o vídeos ofrecen el CLOSED CAPTION. Busque que los mismos lleven el símbolo “ CC ” para asegurarse de que contengan tales subtítulos.
- Las transmisiones de televisión con CLOSED CAPTION pueden verse en dos modos: SUBTITULO y TEXTO. Para cada modo, se dispone de dos canales, el CANAL1 y el CANAL2:

  l modo [SUBTITULO] pone en la parte inferior de la pantalla los subtítulos de diálogos y comentarios de telenovelas y programas de noticias, al mismo tiempo que permite ver claramente la imagen.
  El modo [TEXTO] despliega sobre la imagen otras diversas informaciones (tales como programación del canal de TV, boletines meteorológicos, etc.), que son independientes del programa de TV que se está viendo.



1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL.

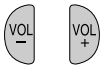
2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca “⇕” a “CLOSED CAPTION”.




```
TEMPORIZADOR
AJUSTE VIDEO
⇕CLOSED CAPTION
BLOQUEADOR
AHORRO ENERGIA
PREPARACION
```

(Pantalla del MENU PRINCIPAL)

3 Pulse ***VOL (+)*** o ***(–)*** para acceder “CLOSED CAPTION”.




```
CLOSED CAPTION

⇕MODO     :CAPTION
 DATOS    :CANAL 1
```

(Modo de ajuste de CLOSED CAPTION)

4 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca “⇕” a “MODO” o “DATOS”.

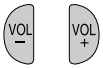
```
CLOSED CAPTION

 MODO     :CAPTION
⇕DATOS    :CANAL 1
```

5 Pulse ***VOL (+)*** o ***(–)*** para variar el ajuste el CLOSED CAPTION.

MODO : CAPTION ⇕ TEXTO ⇕ APAGADO

DATOS : CANAL 1 ⇕ CANAL 2




```
CLOSED CAPTION

⇕MODO     :CAPTION
 DATOS    :CANAL 1
```

6 Pulse ***MENU*** para salir.

Nota:

- Si una emisión tiene CLOSED CAPTION y se presiona el botón SILENCIAMIENTO (***MUTE***), el aparato entra automáticamente en el modo [CAPTION]. Si se presiona de nuevo el botón SILENCIAMIENTO (***MUTE***), el aparato volverá a su estado anterior.
- Puede ocurrir el malfuncionamiento del CLOSED CAPTION (bloques blancos caracteres extraños, etc.) si las condiciones de la señal son deficientes o si hay problemas en la fuente de trasmisiones de televisión. Esto no significa necesariamente que exista algún problema en su televisor.
- Si se presiona cualquier botón para la VISUALIZACION EN LA PANTALLA mientras se está viendo un programa con CLOSED CAPTION, los textos desaparecerán momentaneamente.
- Cuando se está viendo en el modo TEXTO y no se recibe ninguna trasmisiones de televisión de TEXTO, en algunos programas la pantalla puede tornarse oscura y vacia. Si ocurre esto, desactive el modo de CLOSED CAPTION.

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Bloqueador

■ LIMITADOR

Esta función permite restringir el tiempo para ver la TV y también controlar el uso del televisor. Esta función tiene como finalidad evitar que los niños vean demasiada televisión.

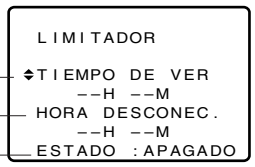
TIEMPO DE VER (un temporizador acumulativo: cuenta sólo el tiempo adquirido mientras el TV está encendido.)

- El TIEMPO DE VER puede ajustarse entre 30M (30 minutos) y 10H00M (10 horas) a intervalos de 30 minutos.

El HORA DESCONEC. (Limita el tiempo para ver la TV una vez que el TIEMPO DE VER ha llegado a cero.)

- El HORA DESCONEC. puede ajustarse desde 30M (30 minutos) y 10H00M (10 horas) a intervalos de 30 minutos.

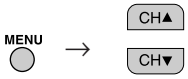
ESTADO (ENCEN./APAGADO, ajuste del LIMITADOR)

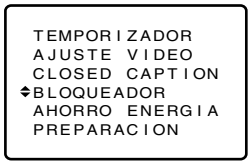


■ Cómo ajustar el LIMITADOR.

1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL.

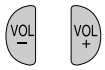
2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⇕" a "BLOQUEADOR".

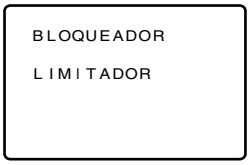




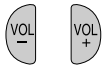
(Pantalla del MENU PRINCIPAL)

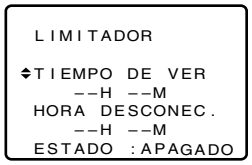
3 Pulse ***VOL (+)*** o ***(–)*** para acceder "BLOQUEADOR LIMITADOR".



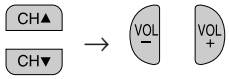


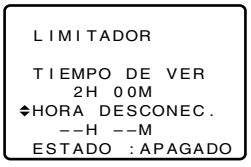
4 Pulse ***VOL (+)*** o ***(–)*** para acceder "LIMITADOR".



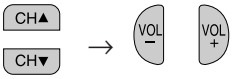


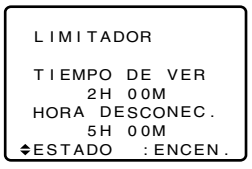
5 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para seleccionar "TIEMPO DE VER" y "HORA DESCONEC.". Para cada selección, pulse el ***VOL (+)*** o ***(–)*** para ajustar la duración del tiempo.



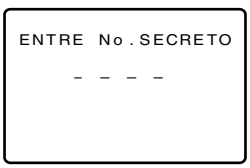


6 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para seleccionar "ESTADO". Pulsar el ***VOL (+)*** o ***(–)*** para conectar el "LIMITADOR". (Si el ESTADO es APAGADO, el LIMITADOR no está operativo.)





7 Pulse ***MENU***. Aparecerá el "ENTRE No. SECRETO".



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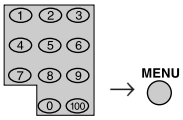
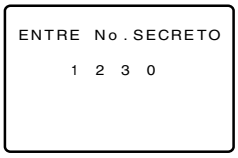
Bloqueador (Continuación)

8 Introduzca el No. SECRETO de 4 dígitos utilizando el ***LOS NUMEROS DEL CONTROL REMOTO***.

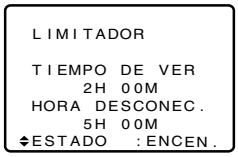
9 Pulse ***MENU***, y el No. SECRETO quedará registrado.





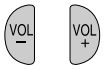
Ejemplo

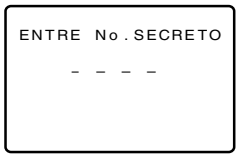
- Para impedir que alguien vea TV durante 5 horas, después de ver la TV durante 2 horas, el ajuste deberá ser como sigue:
- Pueden optar por ver las 2 horas de TV cuando lo deseen. Por ejemplo, podrían ver una hora de TV, apagar el TV durante 30 minutos, volver a encenderlo y ver la hora que resta en el LIMITADOR.



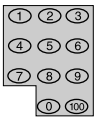
■ **Para modificar los ajustes del LIMITADOR. (El No. SECRETO está registrado)**

1 Repita los pasos de "Cómo ajustar el LIMITADOR" y seleccione "BLOQUEADOR LIMITADOR" durante el paso **3**. Pulsar ***VOL (+)*** o ***(–)*** y aparecerá la leyenda "ENTRE No. SECRETO".



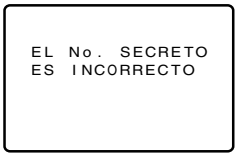


2 Introduzca el No. SECRETO de cuatro dígitos valiéndose para ello del ***LOS NUMEROS DEL CONTROL REMOTO***, y aparecerá la pantalla de acceso al LIMITADOR. Repita los pasos **5** ~ **6**.



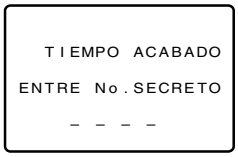
Nota:

- Cuando Ud. elige el No. SECRETO correcto, aparece la pantalla de acceso del LIMITADOR. Si el No. SECRETO no es correcto, aparecerá la leyenda "EL No. SECRETO ES INCORRECTO". En ese caso, introduzca nuevamente el No. SECRETO.

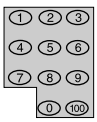


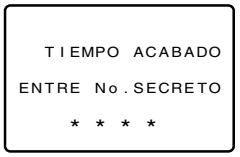
■ **Para cancelar el LIMITADOR (Mientras el TV está APAGADO pero el LIMITADOR está puesto)**

1 Encienda el TV; sobre la pantalla aparecerá en azul el mensaje "TIEMPO ACABADO". Si Ud. no hace nada, el TV se apagará en un tiempo aproximado de 30 segundos.



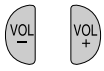
2 Introduzca el No. SECRETO de 4 dígitos valiéndose del ***LOS NUMEROS DEL CONTROL REMOTO***. Si Ud. elige el No. SECRETO correcto, el LIMITADOR quedará cancelado. Si el No. SECRETO no es correcto, aparecerá la leyenda "EL No. SECRETO ES INCORRECTO". En ese caso, introduzca nuevamente el No. SECRETO.

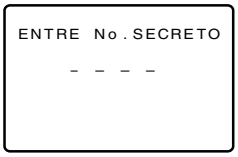




■ **Para cancelar el ajuste del LIMITADOR o cambiar el No. SECRETO (Si Ud. lo ha olvidado)**

1 Repita los pasos de "Cómo ajustar el LIMITADOR" y elija "BLOQUEADOR LIMITADOR" en el paso **3**. Pulse ***VOL (+)*** o ***(–)***, y aparecerá en pantalla "ENTRE No. SECRETO".





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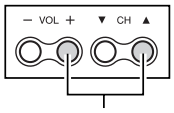
Bloqueador (Continuación)

2 Pulse y mantenga pulsados al mismo tiempo ***VOL (+)*** y ***CH UP (▲)*** en el aparato de TV hasta que aparezca la pantalla de acceso al LIMITADOR. Ahora puede cancelar los valores del LIMITADOR o puede cambiar el No. SECRETO mientras aparece el mensaje "ENTRE No. SECRETO".

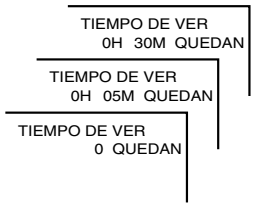
(En el aparato de TV)



VOL (+)/CH UP (▲)

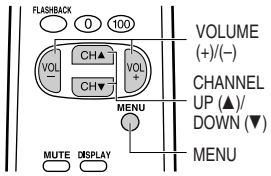
■ **Aviso del TIEMPO DE VER restante**

- A intervalos de 30 minutos aparecerá el "tiempo restante" durante 4 segundos. Durante los 5 últimos minutos, el "tiempo restante" aparecerá cada minuto.
- Inmediatamente antes de que se termine el TIEMPO DE VER, aparecerá en pantalla durante 10 segundos "0 QUEDAN".



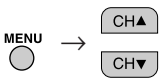
Ahorro de Energía

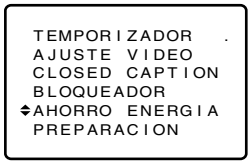
■ **Esta función permite reducir el consumo de energía del aparato de TV lo cual se traduce en ahorro de dinero y en una reducción del impacto ambiental. Cuando se activa la función, reduce el brillo del aparato a un nivel que consume aproximadamente un 20% menos de energía que cuando está desactivada. La reducción del brillo se notará menos si la iluminación de la habitación es baja.**



1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL.

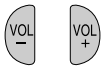
2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" a "AHORRO ENERGIA".





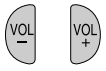
(Pantalla del MENU PRINCIPAL)

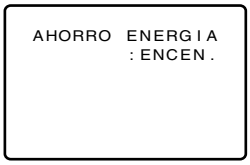
3 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de selección de AHORRO ENERGIA.



(Modo de selección de AHORRO ENERGIA)

4 Pulse ***VOL (+)*** o ***(–)*** para seleccionar "ENCEN.".





5 Pulse ***MENU*** para salir.

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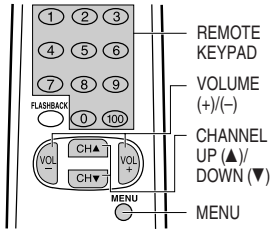
Preparación

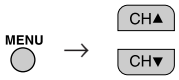
■ **PREAJUSTE CANAL**

Mediante la función de preajuste de canales, usted podrá preajustar su televisor para ver los canales deseados.



1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL.

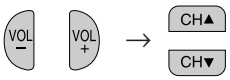
2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" a "PREPARACION".



TEMPORIZADOR
AJUSTE VIDEO
CLOSED CAPTION
BLOQUEADOR
AHORRO ENERGIA
⬍PREPARACION

(Pantalla del MENU PRINCIPAL)

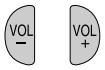
3 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de PREPARACION, pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" a "AJUSTE DE CANAL".



PANTALLA AZUL
IDIOMA
⬍AJUSTE DE CANAL

(Modo de PREPARACION)

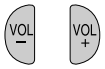
4 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de AJUSTE DE CANAL.



⬍PREAJUSTE CANAL
AIRE/CABLE
BUSQUEDA CANAL
MEMORIA CANAL

(Modo de AJUSTE DE CANAL)

5 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo PREAJUSTE CANAL.



CONECTE ANTENA
O CABLE.
¿INICIAR MEMORIA
DE CANALES?

SI:VOL+
NO:VOL–

(Modo PREAJUSTE CANAL)

6 Pulse ***VOL (+)***.
El sintonizador buscará automáticamente los canales de TV de radiodifusión y de TV por cable. (El número de canal aumentará automáticamente al sintonizar un canal.)

Si quiere parar el proceso PREAJUSTE CANAL una vez iniciado, pulse ***VOL (–)***. La búsqueda quedará anulada.

Para cancelar PREAJUSTE CANAL Pulse ***VOL (–)***.

ESPERE POR FAVOR

PROGRAMACION
AUTOMATICA

18

PARAR:VOL–

7 Una vez terminado PREAJUSTE CANAL, se visualizará el número menor de canal.

2

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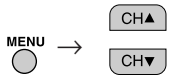
Preparación (Continuación)

■ AJUSTE DE CANAL

Si PREAJUSTE CANAL no memoriza todos los canales de su región, siga las instrucciones que se dan a continuación para memorizar manualmente el canal.

1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL.

2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" a "PREPARACION".

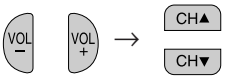


TEMPORIZADOR
AJUSTE VIDEO
CLOSED CAPTION
BLOQUEADOR
AHORRO ENERGIA
⬍PREPARACION

(Pantalla del MENU PRINCIPAL)

3 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de PREPARACION.

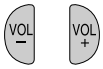
4 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" al modo de "AJUSTE DE CANAL".



PANTALLA AZUL
IDIOMA
⬍AJUSTE DE CANAL

(Modo de PREPARACION)

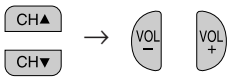
5 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de AJUSTE DE CANAL.



⬍PREAJUSTE CANAL
AIRE/CABLE
BUSQUEDA CANAL
MEMORIA CANAL

(Modo de AJUSTE DE CANAL)

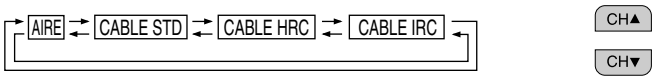
6 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" al modo de "AIRE/CABLE", pulse ***VOL (+)*** o ***(–)*** para acceder al modo de AIRE/CABLE.



PREAJUSTE CANAL
⬍AIRE/CABLE
BUSQUEDA CANAL
MEMORIA CANAL

(Modo de AJUSTE DE CANAL)

7 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⬍" al modo deseado.



AIRE/CABLE

↑AIRE
CABLE STD
⬍CABLE HRC
↓CABLE IRC

(Modo de AIRE/CABLE)

8 Pulse ***MENU*** para salir.

Nota:

- Los canales que pueden sintonizarse en su televisor son:
  Canales de AIRE:
  VHF: 2 a 13.
  UHF: 14 a 69.
  Canales de CABLE:
  1 (Solamente en el modo HRC y IRC)
  2 a 125 (STD, HRC y IRC)

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Preparación (Continuación)

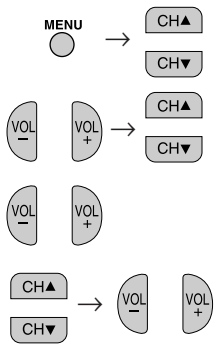
■ **Guardar en memoria los canales de TV de radiodifusión.**

1.1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL, pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "◆" a "PREPARACION".

1.2 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de AJUSTE DE CANAL, pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "◆" a "AJUSTE DE CANAL".

1.3 Pulse ***VOL (+)*** o ***(–)*** para acceder a la pantalla de AJUSTE DE CANAL.

1.4 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "◆" a "BUSQUEDA CANAL", pulse ***VOL (+)*** o ***(–)*** para acceder al modo de BUSQUEDA CANAL.



PREAJUSTE CANAL
AIRE/CABLE
◆BUSQUEDA CANAL
MEMORIA CANAL

(Modo de AJUSTE DE CANAL)

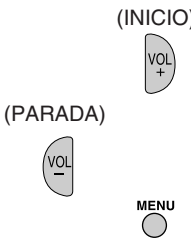
INICIO

2.1 Pulse ***VOL (+)***. El sintonizador buscará todos los canales disponibles en su zona y los incorporará a la memoria del TV.

PARADA

2.2 Pulse ***VOL (–)***. BUSQUEDA CANAL se detendrá en el canal actual, sin añadir ningún canal de número superior.

2.3 Pulse ***MENU*** para salir.



BUSQUEDA CANAL

AIRE 12

INICIAR:+
PARAR :–

(Pantalla de BUSQUEDA CANAL)

Nota:

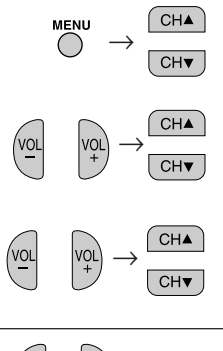
- Si vuelve a presionar ***VOL (+)*** durante el modo de BUSQUEDA CANAL, la autoprogramación se reiniciará y los canales anteriormente memorizados se perderán.

■ **Añada canales débiles o adicionales o borre los canales no deseados de la memoria del televisor.**

1.1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL, pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "◆" a "PREPARACION".

1.2 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de AJUSTE DE CANAL, pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "◆" a "AJUSTE DE CANAL".

1.3 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de AJUSTE DE CANAL, pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "◆" a "MEMORIA CANAL".

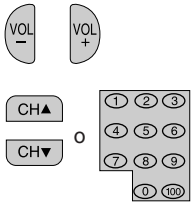


PREAJUSTE CANAL
AIRE/CABLE
BUSQUEDA CANAL
◆MEMORIA CANAL

(Modo de AJUSTE DE CANAL)

2.1 Pulse ***VOL (+)*** o ***(–)*** para seleccionar "MEMORIA CANAL".

2.2 Utilice ***CH UP (▲)*** o ***DOWN (▼)*** o ***LOS NUMEROS DEL CONTROL REMOTO*** para seleccionar los canales que desee incorporar o borrar.



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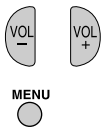
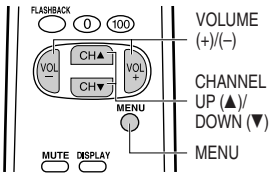
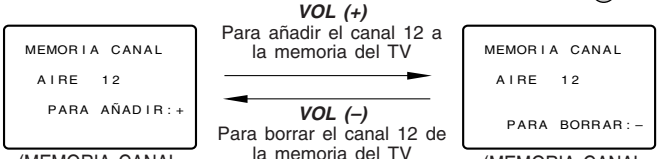
2.3 Pulse ***VOL (+)*** para añadir un canal a la memoria de su televisor o presione ***VOL (–)*** para borrar un canal de la memoria de su televisor.

2.4 Pulse ***MENU*** para salir.







(MEMORIA CANAL, canal no memorizado)

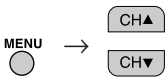
(MEMORIA CANAL, canal memorizado)

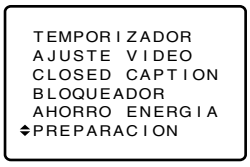
■ PANTALLA AZUL

Pone la pantalla azul automáticamente si no se recibe una señal de emisión (por ej., cuando una estación de TV cierra la emisión). Después de 15 minutos sin recibir señales, el TV se apaga.

1 Pulse ***MENU*** para acceder a la pantalla de MENU PRINCIPAL.

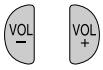
2 Pulse ***CH UP (▲)*** o ***DOWN (▼)*** para desplazar la marca "⇕" a "PREPARACION".

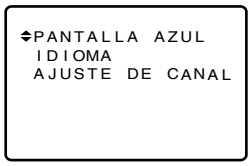




(Pantalla del MENU PRINCIPAL)

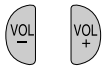
3 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de PREPARACION.





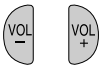
(Modo de PREPARACION)

4 Pulse ***VOL (+)*** o ***(–)*** para acceder al modo de selección de PANTALLA AZUL.



(Modo de selección de PANTALLA AZUL)

5 Pulse ***VOL (+)*** o ***(–)*** para seleccionar "ENCEN.".



6 Pulse ***MENU*** para salir.

Nota:

- Una recepción deficiente debida a señales débiles, o un exceso de ruido, podrían activar la función PANTALLA AZUL a pesar de la presencia de una señal de transmisión. Para seguir viendo televisión en estas circunstancias, ponga PANTALLA AZUL en "APAGADO".

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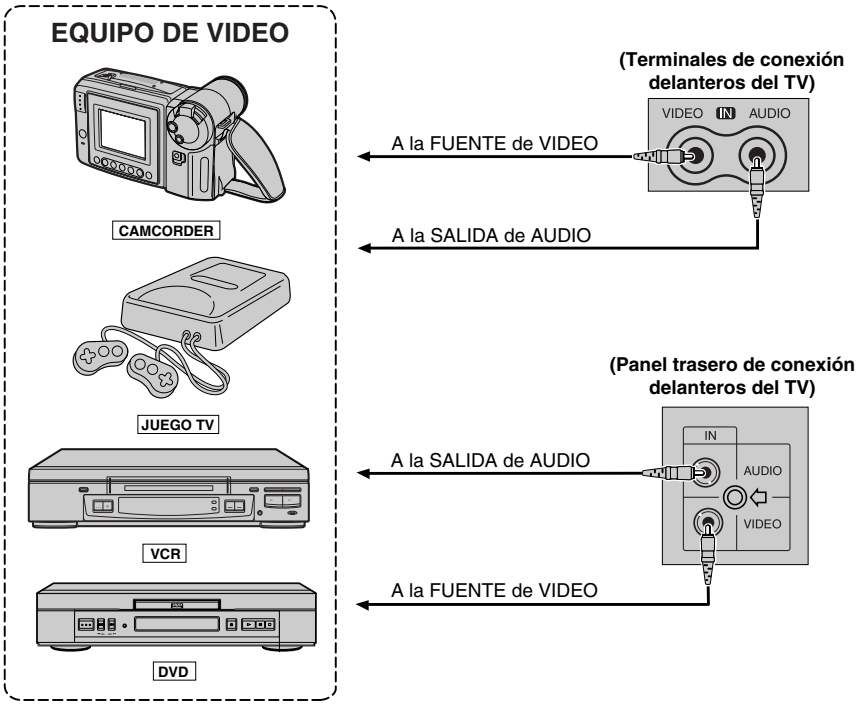
Utilización de los terminales de entradas audio/vídeo

■ **Conexión del equipo de vídeo para reproducción.**

- Cuando su televisor esté conectado a un equipo de vídeo como se muestra en la ilustración de abajo, el material que está siendo reproduccido en el vídeo podrá verse en la pantalla del televisor.

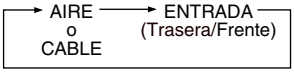
Conexión de un dispositivo de vídeo equipado con terminales de salida de vídeo.

CONEXION



■ **Para ver la reproducción del vídeo.**

- Pulse el botón ***INPUT*** (ENTRADA) en el mando a distancia para seleccionar el modo VIDEO INPUT (ENTRADA DE VIDEO) al cual está conectado el equipo de vídeo con el que desea reproducir.
- EL modo VIDEO INPUT (ENTRADA DE VIDEO) externo cambiará del siguiente modo cada vez que se pulse el botón ***INPUT*** (ENTRADA).



- EL modo INPUT puede seleccionarse pulsando o bien ***CH UP (▲)*** en el mando a distancia del TV cuando el TV está en el canal de número más alto de los almacenados en memoria, o bien pulsando ***CH DOWN (▼)*** cuando está en el canal más bajo.
- La terminal delantera anula la terminal posterior.

Nota:

- Cuando conecte un equipo de vídeo o de audio al televisor, no se olvide de que la alimentación deberá estar desconectada para evitar estropear el televisor o el equipo que está conectado.
- El material audiovisual puede consistir de obras con derechos de autor que no deben grabarse sin la autorización del propietario de dichos derechos. Sirvase enterarse de las leyes que rigen en su pais a este respecto.
- Para obtener una información detallada de la conexión y del uso de equipos auxiliares, consulte el manual de instrucciones del equipo que vaya a utilizar.
- Los cables de conexión podrá adquirirlos en una tienda de aparatos de vídeo de su localidad.

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Especificaciones

MODELO			14LK22
Sistema de recepción			NTSC
Canales de recepción			
	AIR	VHF	Canales 2 a 13
		UHF	Canales 14 a 69
	CATV		Canales 1 a 125
Sintonización de canales			Sistema de sintonización PLL de recepción 181 canales
Impedancia de entrada antena			VHF/UHF 75 ohm, desbalanceada
Tamaño de la pantalla			14″ medido en diagonal
Terminales			Entrada de audio/video x 2 (frontal x 1, posterior x 1)
Salida de sonido			1.0 W (MAX)
Fuente de alimentación			110-220 V ca, 50/60 Hz
Consumo de energia			53 W
Dimensiones			$14^{1}/_{32}$″ (AN) x $12^{11}/_{16}$″ (AL) x $14^{21}/_{32}$″ (PRF) [355.5 mm (AN) x 322.0 mm (AL) x 372.0 mm (PRF)]
Peso (approx.)			18,7 lbs (8,5 kg)

• Diseño y especificaciones sujetos a cambios sin previo aviso.

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Antes de llamar al servicio de reparaciones

Compruebe estos puntos para ver si puede corregir el problema Ud. mismo con un leve ajuste de los controles.

LISTA DE COMPROBACIONES DE SERVICIO RAPIDO / PROBLEMA POSIBLE SOLUCIÓN	El vídeo o el reproductor de discos de vídeo no reproducen imágenes	El equipo de vídeo/audio externo no produce imágenes ni sonido	El control remoto no funciona	Barras en la Pantalla	Imagen distorsionada	La imagen se desplaza verticalmente	No hay color	Mala recepción de algunos canales	Imagen débil	Franjas en la imagen	Imagen fantasma	Imagen borrosa	Sonido adecuado, imagen mala	Imagen adecuada, sonido malo	No hay imagen ni sonido	Imagen oscura y en blanco	Interferencia de ruido eléctrico externo con el funcionamiento del televisor
Pruebe con otro canal y si todo está bien, el problema puede ser de la emisora.					X	X	X	X	X	X	X	X	X	X	X		
Está conectado el televisor? Llega electricidad al tomacorrientes?		X	X												X		
Está conectado el interruptor del televisor?		X													X		
Está conectado la antena al terminal del panel posterior del televisor?							X	X	X		X		X		X		
Si utiliza una antena exterior, cerciórese de que el cable no esté dañado.				X	X	X	X	X	X	X	X	X	X		X		
Compruebe si hay interferencia local.				X		X		X		X	X		X	X			X
Desconecte el interruptor POWER y vuelva a conectarlo después de transcurrir un minuto.		X													X		
Ajuste el control de COLOR.							X										
Ajuste el control de MATIZ.									X				X				
Verifique los productos externos de Video/Audio, revise si hay fugas de conexiones sueltas o rotas.	X	X											X	X	X		
Compruebe el estado de las pilas del control remoto.			X														
Están bien conectados los cables de sonido? Compruebe el nivel del volumen.															X		
Desactive (OFF) el modo CLOSED CAPTION / Desactive (OFF) el modo Ahorro de Energía (Energy Save).																X	
Desenchufe el televisor y vuelva a enchufarlo despúes de 2 minutos.			X			X	X	X	X				X	X	X	X	X

Servicio de Reparaciones

En México:
Sharp Electronics Corporation
Sucursal en Mexico
Col. Ampliación Asturias
México D.F. 06890
Tel. : 57 16 90 00
Internet: www.sharp.com.mx
e-mail: sec@sharp.com.mx

En otros países latinoamericanos:
Sharp Electronics Corporation
6100 Blue Lagoon Drive Suite 230
Miami, Florida 33126 USA
Tel. : (305) 264-2277
Internet: www.SiempreSharp.com

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SHARP

SHARP CORPORATION

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